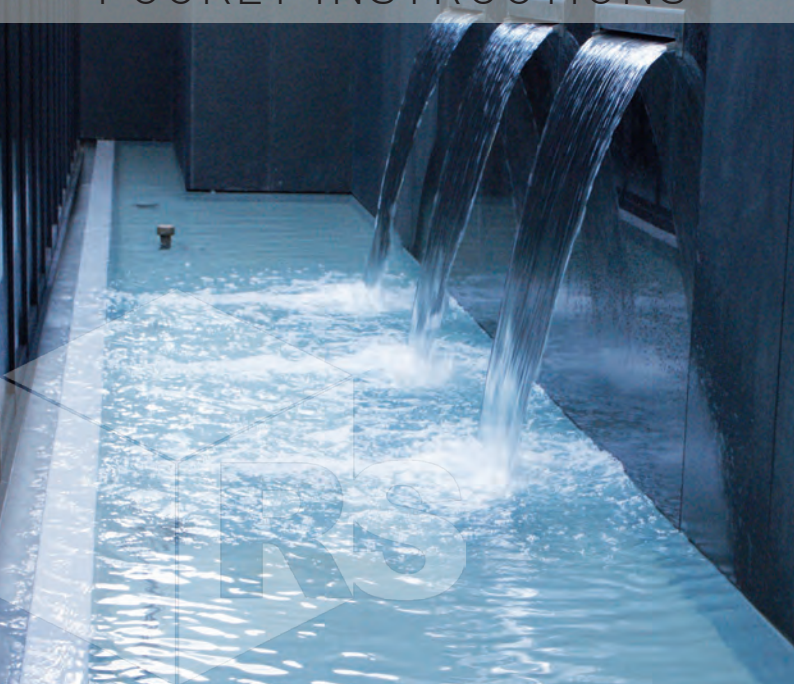




ALSAN RS

POCKET INSTRUCTIONS





INDEX

SECTIONS	PAGE
1 Surface preparation	07
2 Product information	21
3 Systems information	43
4 Application information	53
5 Details	91

1

2

3

4

5





TIME TESTED DEPENDABILITY

For over 100 years, the SOPREMA GROUP has developed and manufactured cutting edge waterproofing systems for all aspects of the building envelope. Today, advanced PMMA (polymethyl methacrylate) technology found in the ALSAN RS System is revolutionizing the industry by combining liquid with time proven products to deliver unbeatable waterproofing protection. The ALSAN RS System is the ideal solution for waterproofing almost any surface including balconies, terraces, water features, flat roof areas, plazas and many more.

This ALSAN RS System Pocket Guide has been developed to aid installers by providing detailed system information, optional finishes, proper installation procedures, drawing details and much more. It can be used right on the job site and acts as a quick reference tool promoting a successful installation every time.

1

2

3

4

5



Surface Preparation	1
Product Information	2
Systems Information	3
Application Information	4
Details	5

GENERAL

Prior to application of any Soprema ALSAN RS products or materials, the substrate shall be prepared as recommended by Soprema and required for the intended application. All substrates must be clean, dry and free of oil, grease, curing compounds, release agents, laitance, grass irregularities, loose, unsound or foreign material such as moss, algae growth, dirt, ice, snow, water or any other condition that would be detrimental to adhesion of the primer and/or resin to the substrate. Some surfaces may require scarifying, sandblasting or grinding to achieve a suitable substrate.

CONCRETE

New concrete must be cured a minimum of 28-days in accordance with ACI-308, or as recommended by the concrete/mortar manufacturer, with a minimum hardness of 3,500 psi (25 mPa).

Where required, new or existing concrete shall be abrasively cleaned in accordance with ASTM D 4259 to provide a sound substrate free from laitance with an open concrete surface. Concrete surface must be prepared to obtain a concrete surface profile (ICRI CSP) of 2, 3 or 4. When using mechanical methods to remove existing waterproofing products or surface deterioration, the surface profile is not to exceed 3 mm (1/8-inch) peak to valley. The substrate shall be sounded and all spalls, voids and blow holes on vertical or horizontal surfaces must be repaired before placement of the approved primer coat. Areas of minor surface deterioration of 13 mm (1/2-inch) or greater in depth shall be repaired to prevent possible pounding, leading to excessive usage of primer and/or resin.

MASONRY

Walls should be constructed of hard kiln-dried brick, concrete block, or other tilt-up or cast-in-place concrete construction. Masonry walls shall be prepared in the same manner as indicated for concrete substrates. Membrane must not be applied over soft or scaling brick or masonry, faulty mortar joints, or walls with broken, damaged or leaking coping. Walls of ordinary hollow tile, or other materials which in themselves are not waterproofed, should not be accepted as suitable to receive flashings unless they are properly waterproofed, to prevent moisture infiltration from above or behind the flashing system.



WOOD

Wood plank, timber or plywood shall be prepared as required to provide a suitable substrate for proper application of Soprema ALSAN RS materials. Fill joints, knot holes or cracks with ALSAN RS Paste to provide a level substrate. Cover joints in plywood sheathing with 4-inch (10 cm) wide strips of appropriate ALSAN RS fully reinforced liquid membrane after priming. Plywood sheathing shall meet the requirements of American Plywood Association (APA) product standard PS1 or better.

METAL

Clean and prepare metal surfaces to near white metal in accordance with SSPC - SP3 (power tool clean) or as required by membrane manufacturer. Extend preparation a minimum of 8 cm (3 inch) beyond the termination of the membrane flashing materials. Notch steel surfaces to provide a rust-stop. Unless otherwise indicated, all metal surfaces shall be abraded in order to provide a rough open surface. A wire brush finish is not acceptable. Surfaces should be cleaned with ALSAN RS Cleaner or ALSAN All-Purpose Cleaner prior to system application.

**MODIFIED BITUMEN MEMBRANE**

All loose granules, dust and dirt shall be removed from the surface of the built-up roof (BUR) membrane by brooming and/or power vacuuming.

FRAME CONSTRUCTION

Frame walls are not acceptable to receive ALSAN RS cold fluid-applied reinforced membrane flashings unless suitable solid backing for the flashing is provided. As a minimum, plywood sheathing or cement backer board should be used as wall sheathing. Walls sheathed with gypsum wall board or other gypsum based products are not acceptable as a substrate for cold fluid-applied reinforced membrane. Suitable stops should be provided at the top of the flashing in curtain wall construction, to ensure a watertight seal for flashings.

1

2

3

4

5



GLASS

Glass should be solvent washed and cleaned with Soprema ALSAN RS Cleaner or ALSAN All-Purpose Cleaner to remove all oil, grease, loose particles, algae growth, dirt, bituminous products and previous waterproofing materials to ensure a continuous uniform bond between surfaces. A minimum 4-inch (10 cm) continuous overlap and bond line of ALSAN RS membrane to glass should be used where a mechanical termination to glass is required. In areas where a watertight joint is required, a 1-1/2 inch (4 cm) minimum continuous overlap and bond line of ALSAN RS membrane to glass should be used. In all cases, the bond strength should be tested to assure proper adhesion.

OTHER SUBSTRATES

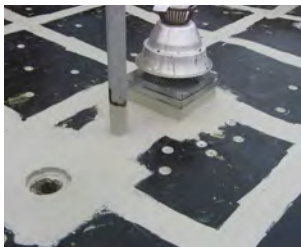
Remove all contaminants as required. Surface preparation shall be performed by means approved by Soprema. Contact your Soprema representative for preparation and treatment not specifically indicated above.

SUBSTRATE LEVELING AND PATCHING

Fill cavities and depressions with ALSAN RS Repair Mortar or ALSAN RS 233 Mortar resin on horizontal surfaces or ALSAN RS Paste for all vertical and horizontal substrate repairs as needed to achieve a flat surface. Any surface to be leveled or patched must first be primed with an appropriate ALSAN RS primer when required.

CRACKS

Determine that crack is not active. Remove any existing filler and clean out crack by brushing and oil-free compressed air. Fill crack with ALSAN RS Paste. Alternately, when approved prior to project start-up, a polyurethane sealant may be used, but must be allowed to completely cure prior to application of ALSAN RS primer or membrane.



1

2

3

4

5

Void investigation

Tap the surface with a hammer and mark hollow areas.



Non-destructive testing for relative humidity of substrate

Electronic methods allow for testing of the relative humidity which should not exceed 5% (by weight) or 16% (by volume).



Ground moisture testing

Calcium chloride-based moisture measurements are a very accurate gauge for surface moisture testing.





Compressive strength study

A specialized device is used to examine compressive strength of a substrate.

1



Adhesive strength study

The substrate is investigated with a device to determine bond strength.

Cementitious substrates:

→ 1.5 mPa

Asphalt surfaces:

→ 0.8 mPa

3



Core study

A core drill study can be used to determine the existence of previously installed systems that may impact current system selection.

5

Shot-blasting

Shotblasting is the most efficient method for concrete surface preparation over wide open spaces. Laitance and other contaminants are found in the upper layer of finished concrete and will adversely affect adhesive strength. Shot-blasting will remove this layer and smooth the surface while removing dust at the same time.



Diamond grinding

A handheld grinder with a diamond cup wheel is the easiest way to prepare small areas, as well as vertical walls, upturns and curbs. Removal of abrasive dust through vacuum suction is highly recommended.



Milling

Particularly with very rough substrates, milling of the surface is recommended. A subsequent shot-blasting will provide an optimal surface for subsequent coatings.





Sandblasting

Sandblasting is an efficient method for surface preparation of vertical surfaces, but protective measures are necessary.

1



Clean

Clean non-absorbent surfaces with a suitable cleaner.

2

3



Manual Grinding / Buffing

... with abrasive discs for metal and other surfaces. The rougher the substrate, the better the adhesion!

4

5

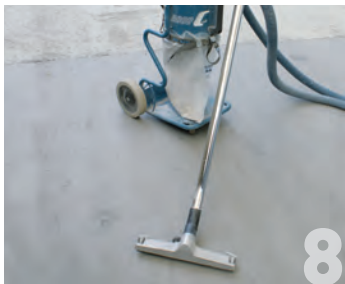
Manual Grinding / Buffing

Using abrasive paper (assuming machine grinding is not possible). Grain size: 20 - 40. The rougher the substrate, the better the adhesion!



Surface Cleaning

Remove dust and non-adhesive particles with a vacuum cleaner.



Tool Cleaning

Tools should be cleaned immediately and thoroughly with ALSAN RS Cleaner or ALSAN All-Purpose Cleaner.





Substrate preparation table

Surface	Preparation	Primer
CEMENTIOUS SURFACES		
Concrete	Grind with diamond cup wheel or shot blast	ALSAN RS 276 Primer
Brick	Grind with diamond cup wheel or shot blast	ALSAN RS 276 Primer
Masonry block	Grind with diamond cup wheel or shot blast	ALSAN RS 276 Primer
Mortar	Grind with diamond cup wheel or shot blast	ALSAN RS 276 Primer
RECOVERY BOARDS		
DensDeck	Remove dust and particulates	ALSAN RS 276 Primer
DensDeck Prime	Remove dust and particulates	ALSAN RS 276 Primer
DensDeck DuraGuard	Remove dust and particulates	ALSAN RS 276 Primer
SECUROCK Roof Board	Remove dust and particulates	ALSAN RS 276 Primer
WOOD PRODUCTS		
Raw	Remove dust and particulates	ALSAN RS 276 Primer
OSB	Remove dust and particulates	ALSAN RS 276 Primer
Plywood	Remove dust and particulates	ALSAN RS 276 Primer
METAL		
Copper	Clean with ALSAN All-Purpose Cleaner; roughen with abrasive disc or belt sander	No primer
Aluminum	Clean with ALSAN All-Purpose Cleaner; roughen with abrasive disc or belt sander	No primer
Galvanized steel	Clean with ALSAN All-Purpose Cleaner; roughen with abrasive disc or belt sander	No primer
Zinc	Clean with ALSAN All-Purpose Cleaner	No primer
Stainless steel	Clean with ALSAN All-Purpose Cleaner; roughen with abrasive disc or belt sander	No primer
MEMBRANES		
[SBS] modified bitumen	Remove loose particulates	No primer
[APP] modified bitumen	Remove loose particulates	ALSAN RS 222 Primer
PVC	Remove particulates; clean with ALSAN All-Purpose Cleaner	No primer
TPO	Remove particulates; clean with ALSAN All-Purpose Cleaner	No primer
EPDM	Remove particulates; clean with ALSAN All-Purpose Cleaner	No primer
MISCELLANEOUS		
PMMA	Remove particulates; clean with ALSAN All-Purpose Cleaner	No primer
Polyurethane coating	Remove particulates; clean with ALSAN All-Purpose Cleaner	No primer
Rigid PVC pipes and tubes	Lightly sand; wipe clean	No primer
Glass	Lightly sand; clean with ALSAN All-Purpose Cleaner	No primer

Notes

Laitance must be removed.

Laitance must be removed.

Laitance must be removed.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

All joints to be stripped in with fabric-reinforced ALSAN RS 230 Flash or ALSAN RS 260 L0 Flash must be covered.

Do not grind if zinc corrosive protective film is present.

Roughen with abrasive disc at least 1/16 inch [0.5 mm].

Thermofusible plastic film should be burned off prior to liquid application.

Liquify surface by application of heat and immediately top with quartz aggregate.

Adhesion testing on existing membrane is recommended.

Adhesion testing on existing membrane is recommended.

Adhesion testing on existing membrane is recommended.

Adhesion testing is recommended.

Adhesion testing is recommended.

Adhesion will not be optimal.

1

2

3

4

5



Surface Preparation	1
Product Information	2
Systems Information	3
Application Information	4
Details	5



CONTENTS	PAGE
Product information	24
ALSAN RS 222 Primer	26
ALSAN RS 276 Primer	27
ALSAN RS 230 Field (summer formulation)	28
ALSAN RS 230 Field (winter formulation)	29
ALSAN RS 230 Flash (summer formulation)	30
ALSAN RS 230 Flash (winter formulation)	31
ALSAN RS 260 LO Field	32
ALSAN RS 260 LO Flash	33
ALSAN RS 263 LO Self-Leveling Mortar	34
ALSAN RS 287 Color Finish Base + Color Pack	35
ALSAN RS 289 Textured Base (+ Color Pack or Deco Chips)	36
ALSAN RS Paste	37
ALSAN RS Detailer	38
ALSAN RS Fleece	39
Quartz Aggregate	39
ALSAN RS Catalyst	40
Deco Chips	40

Product	Description
ALSAN RS SYSTEM (PMMA)	
ALSAN RS 222	Primer for asphaltic surfaces
ALSAN RS 276	Primer for porous surfaces
ALSAN RS 230 Field	Resin incorporated with fleece reinforcement
ALSAN RS 260 LO Field	Low odor resin incorporated with fleece reinforcement
ALSAN RS 230 Flash	Resin incorporated with fleece reinforcement for flashing details
ALSAN RS 260 LO Flash	Low odor resin incorporated with fleece reinforcement for flashing details
ALSAN RS 233 Mortar	Flexible leveling mortar and wearing layer
ALSAN RS 289 Textured Base + Color Pack Additive	Aggregate infused trafficable surface layer
ALSAN RS 263 LO Mortar	Low odor flexible leveling mortar and wearing layer
ALSAN RS 281 Clear Finish	Clear finish for use with colored quartz aggregate
ALSAN RS 287 Color Base ¹	Customizable color finish mixed with color pack additive
ALSAN RS Paste	Flexible resin paste
ALSAN RS Detailer	Micro-fiber infused resin paste

¹ ALSAN RS 287 Color Finish Base is a clear base resin that is mixed with a pre-selected Color Pack Additive prior to the addition of catalyst activator.

² Coverage rate over aggregated finish is lower than over smooth surface application.





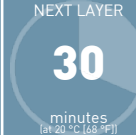

Coverage rate information refers to a generally smooth surface and may vary depending on substrate conditions.

Container weight (kg)	Coverage per container	Coverage rate (per m ²)	Pot life (at 20 °C)	Rainproof (at 20 °C)	Next layer (at 20 °C)	Fully cured
10	269	0.4 kg	10 min	30 min	30 min	3 hours
10	269	0.4 kg	10 min	30 min	30 min	3 hours
25	90	3.0 kg	15 min	30 min	60 min	3 hours
25	90	3.0 kg	20 min	45 min	2 hours	5 hours
12	43	3.0 kg	15 min	30 min	60 min	3 hours
12	43	3.0 kg	20 min	45 min	2 hours	5 hours
33	102	3.5 kg	15 min	30 min	60 min	3 hours
33	102	3.5 kg	15 min	30 min	60 min	3 hours
33	102	3.5 kg	15 min	30 min	60 min	3 hours
10	215	0.5 kg	15 min	30 min	60 min	3 hours
10	215 / 355 ²	0.5 / 0.3 kg ²	15 min	30 min	60 min	3 hours
15	n/a	n/a	20 min	30 min	60 min	3 hours
2	n/a	3.0 kg	20 min	30 min	60 min	3 hours

1
2
3
4
5

ALSAN RS 222 PRIMER



Primer for modified bitumen (APP)

WEIGHT 10 kg	COVERAGE 269 ft ² per container	COVERAGE 0.4 kg / m ²	COVERAGE 0.037 kg / ft ²
COVERAGE 15-20 wet mils	COVERAGE 15-20 dry mils	AMBIENT TEMP  0 °C 35 °C 95 °F à 32 °F	SUBSTRATE TEMP  0 °C 50 °C 122 à 32 °F
POT LIFE  10 minutes (at 20 °C [68 °F])	RAIN PROOF  30 minutes (at 20 °C [68 °F])	NEXT LAYER  30 minutes (at 20 °C [68 °F])	FULLY CURED  3 hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER 6 0.1 kg packets 3 - 10°C [37 - 49°F]	CATALYST DOSAGE PER CONTAINER 4 0.1 kg packets 10 - 20°C [50 - 68°F]	CATALYST DOSAGE PER CONTAINER 2 0.1 kg packets 20 - 35°C [69 - 95°F]	

Coverage rates may vary depending on substrate conditions.

ALSAN RS 276 PRIMER

Primer for porous substrates

WEIGHT 10 kg	COVERAGE 269 ft ² per container	COVERAGE 0.4 kg / m ²	COVERAGE 0.037 kg / ft ²
COVERAGE 15-20 wet mils	COVERAGE 15-20 dry mils	AMBIENT TEMP  0 °C 35 °C 95 °F à 32 °F	SUBSTRATE TEMP  0 °C 50 °C 122 à 32 °F
POT LIFE 10 minutes (at 20 °C [68 °F])	RAIN PROOF 30 minutes (at 20 °C [68 °F])	NEXT LAYER 30 minutes (at 20 °C [68 °F])	FULLY CURED 3 hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER 6 0.1 kg packets 3 - 10°C [37 - 49°F]	CATALYST DOSAGE PER CONTAINER 4 0.1 kg packets 10 - 20°C [50 - 68°F]	CATALYST DOSAGE PER CONTAINER 2 0.1 kg packets 20 - 35°C [69 - 95°F]	

Coverage rates may vary depending on substrate conditions.

1

2

3

4

5

ALSAN RS 230 FIELD (SUMMER FORMULATION)

Polyester scrim reinforced liquid membrane resin



<p>WEIGHT</p> <p>25</p> <p>kg</p>	<p>COVERAGE</p> <p>90</p> <p>ft² per container</p>	<p>COVERAGE</p> <p>base layer 2.0 top layer 1.0</p> <p>kg / m²</p>	<p>COVERAGE</p> <p>base layer 0.19 top layer 0.09</p> <p>kg / ft²</p>
<p>COVERAGE</p> <p>base layer 50-60 top layer 22-26</p> <p>wet mils</p>	<p>COVERAGE</p> <p>base layer 50-60 top layer 22-26</p> <p>dry mils</p>	<p>AMBIENT TEMP</p> <p>3 °C 35 °C</p> <p>95 °F à 37 °F</p>	<p>SUBSTRATE TEMP</p> <p>3 °C 50 °C</p> <p>122 à 37 °F</p>
<p>POT LIFE</p> <p>15</p> <p>minutes (at 20 °C {68 °F})</p>	<p>RAIN PROOF</p> <p>30</p> <p>minutes (at 20 °C {68 °F})</p>	<p>NEXT LAYER</p> <p>60</p> <p>minutes (at 20 °C {68 °F})</p>	<p>FULLY CURED</p> <p>3</p> <p>hours (at 20 °C {68 °F})</p>
<p>CATALYST DOSAGE PER CONTAINER</p> <p>10</p> <p>0.1 kg packets 3 - 15°C (37 - 59°F)</p>	<p>CATALYST DOSAGE PER CONTAINER</p> <p>5</p> <p>0.1 kg packets 15 - 35°C (60 - 95°F)</p>		

Coverage rates may vary depending on substrate conditions.

Mil thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

ALSAN RS 230 FIELD (WINTER FORMULATION)

Polyester scrim reinforced liquid membrane resin

WEIGHT 25 kg	COVERAGE 90 ft ² per container	COVERAGE base layer 2.0 top layer 1.0 kg / ft ²	COVERAGE base layer 0.19 top layer 0.09 kg / ft ²
COVERAGE base layer 50-60 top layer 22-26 wet mils	COVERAGE base layer 50-60 top layer 22-26 dry mils	AMBIENT TEMP  -5 °C 10 °C 50 to 23 °F	SUBSTRATE TEMP  -5 °C 15 °C 59 to 23 °F
POT LIFE 20 minutes (at 20 °C {68 °F})	RAIN PROOF 45 minutes (at 20 °C {68 °F})	NEXT LAYER 60 minutes (at 20 °C {68 °F})	FULLY CURED 6 hours (at 20 °C {68 °F})
CATALYST DOSAGE PER CONTAINER 10 0.1 kg packets -5 - 10°C (23 - 49°F)	CATALYST DOSAGE PER CONTAINER 5 0.1 kg packets 10 - 15°C (50 - 59°F)		

Coverage rates may vary depending on substrate conditions.

Mil thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

1

2



3

4

5

ALSAN RS 230 FLASH (SUMMER FORMULATION)

Polyester scrim reinforced liquid membrane application for vertical surfaces



WEIGHT 12 kg	COVERAGE 43 ft ² per container	COVERAGE base layer 2.0 top layer 1.0 kg / m ²	COVERAGE base layer 0.19 top layer 0.09 kg / ft ²
COVERAGE base layer 50-60 top layer 22-26 wet mils	COVERAGE base layer 50-60 top layer 22-26 dry mils	AMBIENT TEMP  3 °C 35 °C 95 °F to 37 °F	SUBSTRATE TEMP  3 °C 50 °C 122 to 37 °F
POT LIFE 15 minutes (at 20 °C [68 °F])	RAIN PROOF 30 minutes (at 20 °C [68 °F])	NEXT LAYER 60 minutes (at 20 °C [68 °F])	FULLY CURED 3 hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER 5 0.1 kg packets 3 - 15°C [37 - 59°F]	CATALYST DOSAGE PER CONTAINER 2.5 0.1 kg packets 15 - 35°C [60 - 95°F]		

Coverage rates may vary depending on substrate conditions.

Mil thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

ALSAN RS 230 FLASH (WINTER FORMULATION)

Polyester scrim reinforced liquid membrane application for vertical surfaces

WEIGHT 12 kg	COVERAGE 43 ft ² per container	COVERAGE base layer 2.0 top layer 1.0 kg / ft ²	COVERAGE base layer 0.19 top layer 0.09 kg / ft ²
COVERAGE base layer 50-60 top layer 22-26 wet mils	COVERAGE base layer 50-60 top layer 22-26 dry mils	AMBIENT TEMP  -5 °C 10 °C 50 to 23 °F	SUBSTRATE TEMP  -5 °C 15 °C 59 to 23 °F
POT LIFE 20 minutes (at 20 °C [68 °F])	RAIN PROOF 45 minutes (at 20 °C [68 °F])	NEXT LAYER 60 minutes (at 20 °C [68 °F])	FULLY CURED 6 hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER 5 0.1 kg packets -5 - 10 °C [23 - 49 °F]	CATALYST DOSAGE PER CONTAINER 2.5 0.1 kg packets 10 - 15 °C [50 - 59 °F]		

Coverage rates may vary depending on substrate conditions.

Mil thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

1
2
3
4
5

ALSAN RS 260 LO FIELD

Low odor polyester scrim reinforced liquid membrane application


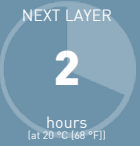

<p>WEIGHT</p> <p>25</p> <p>kg</p>	<p>COVERAGE</p> <p>90</p> <p>ft² per container</p>	<p>COVERAGE base layer</p> <p>2.0</p> <p>top layer</p> <p>1.0</p> <p>kg / m²</p>	<p>COVERAGE base layer</p> <p>0.19</p> <p>top layer</p> <p>0.09</p> <p>kg / ft²</p>
<p>COVERAGE base layer</p> <p>50-60</p> <p>top layer</p> <p>22-26</p> <p>wet mils</p>	<p>COVERAGE base layer</p> <p>50-60</p> <p>top layer</p> <p>22-26</p> <p>dry mils</p>	<p>AMBIENT TEMP</p> <p>0 °C</p> <p>35 °C</p> <p>95 °F à 32 °F</p>	<p>SUBSTRATE TEMP</p> <p>0 °C</p> <p>50 °C</p> <p>122 à 32 °F</p>
<p>POT LIFE</p> <p>20</p> <p>minutes</p> <p>(at 20 °C {68 °F})</p>	<p>RAIN PROOF</p> <p>45</p> <p>minutes</p> <p>(at 20 °C {68 °F})</p>	<p>NEXT LAYER</p> <p>2</p> <p>hours</p> <p>(at 20 °C {68 °F})</p>	<p>FULLY CURED</p> <p>5</p> <p>hours</p> <p>(at 20 °C {68 °F})</p>
<p>CATALYST DOSAGE PER CONTAINER</p> <p>10</p> <p>0.1 kg packets</p> <p>3 - 15°C (37 - 59°F)</p>	<p>CATALYST DOSAGE PER CONTAINER</p> <p>5</p> <p>0.1 kg packets</p> <p>15 - 35°C (60 - 95°F)</p>		

Coverage rates may vary depending on substrate conditions.
ALSAN RS 260 LO Field requires the use of ALSAN RS LO Catalyst.

Mil thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

ALSAN RS 260 LO FLASH

Low odor polyester scrim reinforced liquid membrane application for vertical surfaces

WEIGHT 12 kg	COVERAGE 43 ft ² per container	COVERAGE base layer 2.0 top layer 1.0 kg / ft ²	COVERAGE base layer 0.19 top layer 0.09 kg / ft ²
COVERAGE base layer 50-60 top layer 22-26 wet mils	COVERAGE base layer 50-60 top layer 22-26 dry mils	AMBIENT TEMP  95 °F 32 °F 0 à 35 °C	SUBSTRATE TEMP  122 °F 32 °F 0 à 50 °C
POT LIFE  20 minutes (at 20 °C [68 °F])	RAIN PROOF  45 minutes (at 20 °C [68 °F])	NEXT LAYER  2 hours (at 20 °C [68 °F])	FULLY CURED  5 hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER 5 0.1 kg packets 3 - 15°C [37 - 59°F]	CATALYST DOSAGE PER CONTAINER 2.5 0.1 kg packets 15 - 35°C [60 - 95°F]		

Coverage rates may vary depending on substrate conditions.

Mil thickness rate does not take into account polyester fleece reinforcement thickness; measurement is for liquid resin only.

1

2

3

4

5

ALSAN RS 233 SELF-LEVELING MORTAR



Heavy-duty trafficable surface combining ALSAN RS 210 and ALSAN RS 223 Powder

WEIGHT	COVERAGE	COVERAGE	COVERAGE
33	102	3.5	0.325
kg	ft ² per container	kg / m ²	kg / ft ²
COVERAGE	COVERAGE	AMBIENT TEMP	SUBSTRATE TEMP
85-95	85-95	0 °C 35 °C	0 °C 50 °C
wet mils	dry mils	95 °F à 32 °F	122 à 32 °F
POT LIFE	RAIN PROOF	NEXT LAYER	FULLY CURED
15	30	60	3
minutes (at 20 °C [68 °F])	minutes (at 20 °C [68 °F])	minutes (at 20 °C [68 °F])	hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER	CATALYST DOSAGE PER CONTAINER		
4	2		
0.1 kg packets 3 - 10°C [37 - 49°F]	0.1 kg packets 10 - 35°C [50 - 95°F]		

Coverage rates may vary depending on substrate conditions.

ALSAN RS 287 COLOR FINISH BASE + COLOR PACK

Customizable thin-film color finish

WEIGHT 10 kg	COVERAGE 355 ft ² per container	COVERAGE 0.3 kg / m ²	COVERAGE 0.028 kg / ft ²
COVERAGE 12-15 wet mils	COVERAGE 12-15 dry mils	AMBIENT TEMP  0 °C 35 °C 95 °F à 32 °F	SUBSTRATE TEMP  0 °C 50 °C 122 à 32 °F
POT LIFE 15 minutes (at 20 °C [68 °F])	RAIN PROOF 30 minutes (at 20 °C [68 °F])	NEXT LAYER 60 minutes (at 20 °C [68 °F])	FULLY CURED 3 hours (at 20 °C [68 °F])
CATALYST DOSAGE PER CONTAINER 4 0.1 kg packets 3 - 10°C [37 - 49°F]	CATALYST DOSAGE PER CONTAINER 2 0.1 kg packets 10 - 35°C [50 - 95°F]		

Coverage rates may vary depending on substrate conditions.

1
2
3
4
5

ALSAN RS 289 TEXTURED BASE + COLOR PACK

Aggregate infused trafficable surface finish







<p>WEIGHT</p> <p>15</p> <p>kg</p>	<p>COVERAGE</p> <p>120</p> <p>ft² per container</p>	<p>COVERAGE</p> <p>1.3</p> <p>kg / m²</p>	<p>COVERAGE</p> <p>0.12</p> <p>kg / ft²</p>
<p>COVERAGE</p> <p>25-30</p> <p>wet mils</p>	<p>COVERAGE</p> <p>25-30</p> <p>dry mils</p>	<p>AMBIENT TEMP</p> <p>0 °C 35 °C</p> <p>95 °F à 32 °F</p>	<p>SUBSTRATE TEMP</p> <p>0 °C 50 °C</p> <p>122 à 32 °F</p>
<p>POT LIFE</p> <p>10</p> <p>minutes [at 20 °C [68 °F]]</p>	<p>RAIN PROOF</p> <p>20</p> <p>minutes [at 20 °C [68 °F]]</p>	<p>NEXT LAYER</p> <p>60</p> <p>minutes [at 20 °C [68 °F]]</p>	<p>FULLY CURED</p> <p>2</p> <p>hours [at 20 °C [68 °F]]</p>
<p>CATALYST DOSAGE PER CONTAINER</p> <p>6</p> <p>0.1 kg packets 3 - 15°C [37 - 59°F]</p>	<p>CATALYST DOSAGE PER CONTAINER</p> <p>3</p> <p>0.1 kg packets 15 - 35°C [60 - 95°F]</p>		

Coverage rates may vary depending on substrate conditions.



ALSAN RS PASTE

Flexible resin paste

WEIGHT 15 kg	COVERAGE N/A ft ² per container	COVERAGE N/A kg / m ²	COVERAGE N/A kg / ft ²
COVERAGE N/A wet mils	COVERAGE N/A dry mils	AMBIENT TEMP  0 °C 35 °C 95 °F à 32 °F	SUBSTRATE TEMP  0 °C 50 °C 122 à 32 °F
POT LIFE  20 minutes [at 20 °C [68 °F]]	RAIN PROOF  30 minutes [at 20 °C [68 °F]]	NEXT LAYER  60 minutes [at 20 °C [68 °F]]	FULLY CURED  3 hours [at 20 °C [68 °F]]
CATALYST DOSAGE PER CONTAINER 6 0.1 kg packets 3 - 10°C [37 - 49°F]	CATALYST DOSAGE PER CONTAINER 3 0.1 kg packets 10 - 35°C [50 - 95°F]		

Coverage rates may vary depending on substrate conditions.

1

2

3

4

5

ALSAN RS DETAILER

Micro-fiber infused flexible resin

<p>WEIGHT</p> <p>2</p> <p>kg</p>	<p>COVERAGE</p> <p>N/A</p> <p>ft² per container</p>	<p>COVERAGE</p> <p>3.0</p> <p>kg / m²</p>	<p>COVERAGE</p> <p>0.28</p> <p>kg / ft²</p>
<p>COVERAGE</p> <p>N/A</p> <p>wet mils</p>	<p>COVERAGE</p> <p>N/A</p> <p>dry mils</p>	<p>AMBIENT TEMP</p> <p>0 °C 35 °C</p> <p>95 °F à 32 °F</p>	<p>SUBSTRATE TEMP</p> <p>0 °C 50 °C</p> <p>122 à 32 °F</p>
<p>POT LIFE</p> <p>20</p> <p>minutes [at 20 °C [68 °F]]</p>	<p>RAIN PROOF</p> <p>30</p> <p>minutes [at 20 °C [68 °F]]</p>	<p>NEXT LAYER</p> <p>60</p> <p>minutes [at 20 °C [68 °F]]</p>	<p>FULLY CURED</p> <p>3</p> <p>hours [at 20 °C [68 °F]]</p>
<p>CATALYST DOSAGE PER CONTAINER</p> <p>1</p> <p>0.1 kg packets 3 - 10°C (37 - 49°F)</p>	<p>CATALYST DOSAGE PER CONTAINER</p> <p>0.5</p> <p>0.1 kg packets 10 - 35°C (50 - 95°F)</p>		

Coverage rates may vary depending on substrate conditions.

ALSAN RS FLEECE





Non-woven, polyester fabric reinforcement

LENGTH	WEIGHT	THICKNESS	WIDTH
164 ft	110	30-40	105 cm
50 m	g / m ²	(mils, nominal)	41,3 po
WIDTH	WIDTH	WIDTH	WIDTH
53 cm	35 cm	25 cm	10 cm
20,7 po	13,8 po	10 po	4 po

Allow for a minimum 5 cm (2") overlap at field and flashing side laps, 10 cm (4") overlap at the end laps and a minimum 10 cm (4") overlap at the base of the wall and all penetration flashings.

QUARTZ AGGREGATE

Chemically inert, kiln-dried quartz silica for providing skid resistant surfacing

WEIGHT	COVERAGE	COVERAGE	
23 kg	1.0	5.0	
50 lb	lb / ft ²	kg / m ²	
"00" QUARTZ	"0" QUARTZ	"1" QUARTZ	"2" QUARTZ
			

Color quartz blend options also available. Contact local sales representative for additional information.

1

2

3

4

5

ALSAN RS CATALYST

Reactive agent based on dibenzoyl peroxide used to induce curing in ALSAN RS products

PACKAGING	PACKAGING	DO NOT STORE IN DIRECT SUNLIGHT	
0.1 kg	25 kg		

Refer to individual product information modules and product data sheets for proper catalyst activation quantities.

ALSAN RS DECO CHIPS

Paillettes de polymère minces et angulaires

WEIGHT			
1 kg 2,2 lb			

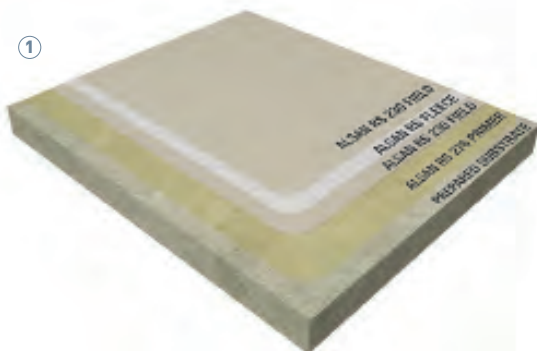
Refer to individual product information modules and product data sheets for proper catalyst activation quantities.



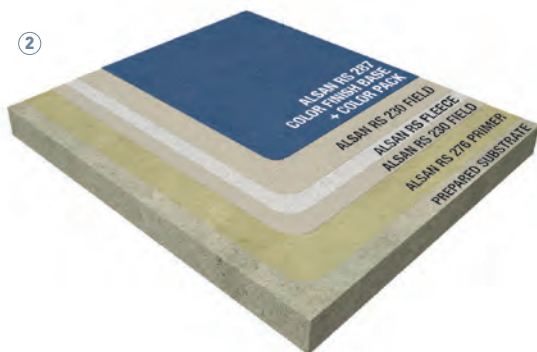


Surface Preparation	1
Product Information	2
Systems Information	3
Application Information	4
Details	5

①



②



SYSTEM APPLICATIONS

ALSAN RS systems allow for a number of waterproofing and surfacing systems, depending on the needs of a given application. Below is a selection of possible applications and surfaces.

FULLY REINFORCED WATERPROOFING APPLICATIONS

① Roofing and Waterproofing System

Construction

ALSAN RS 276 Primer (as necessary)
ALSAN RS 230 Field with ALSAN RS Fleece
ALSAN RS 230 Field

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

② ALSAN RS Roofing and Waterproofing System with Custom Color

Construction

ALSAN RS 276 Primer (as necessary)
ALSAN RS 230 Field with ALSAN RS Fleece
ALSAN RS 230 Field

ALSAN RS 287 Color Finish Base + Color Pack

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

ALSAN RS 260 LO Field and ALSAN RS 260 LO Flash may be used in place of ALSAN RS 230 Field and ALSAN RS 230 Flash, respectively, for a low odor application option.

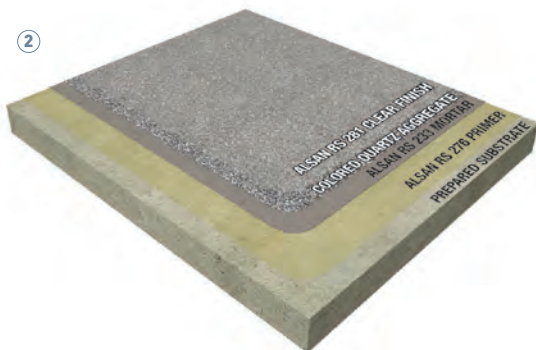
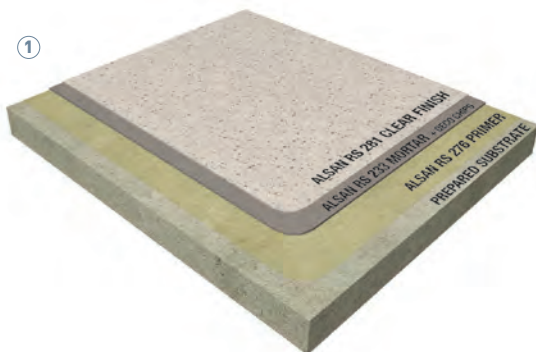
1

2

3

4

5



PARTIALLY REINFORCED TRAFFICABLE SYSTEMS

① ALSAN RS Partially Reinforced Trafficable System with Deco Chips

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 233 Mortar with Deco Chips
3. ALSAN RS 281 Clear Finish

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

② ALSAN RS Partially Reinforced Trafficable System with Color Quartz

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 233 Self-Leveling Mortar with color quartz
3. ALSAN RS 281 Clear Finish

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

ALSAN RS 260 LO Field and ALSAN RS 260 LO Flash may be used in place of ALSAN RS 230 Field, ALSAN RS 230 Flash and ALSAN RS 233 Mortar, respectively, for a low odor application option.

1

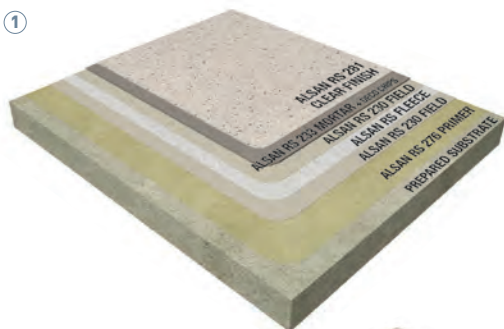
2

3

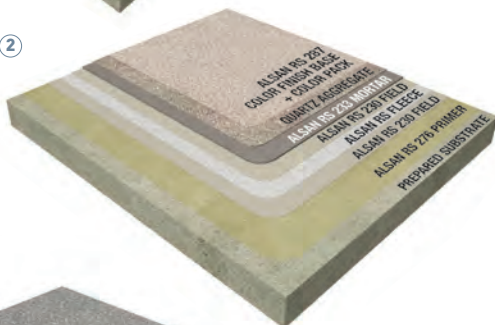
4

5

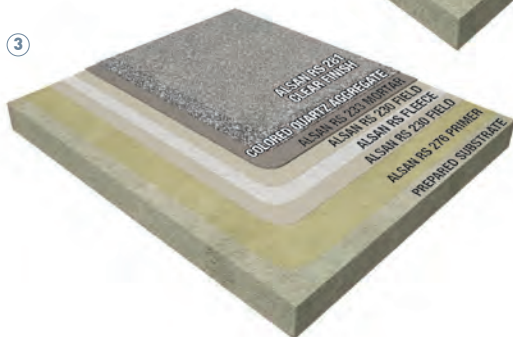
①



②



③



FULLY REINFORCED TRAFFICABLE SYSTEMS

① ALSAN RS Fully Reinforced Trafficable System with Deco Chips

Construction

1. ALSAN RS 276 / 222 Primer
2. ALSAN RS 230 Field -RS Fleece-ALSAN RS 230 Field
3. ALSAN RS 233 Mortar with Deco Chips
4. ALSAN RS 281 Clear Finish

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

② ALSAN RS Fully Reinforced Trafficable System with Quartz

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 230 Field -RS Fleece-ALSAN RS 230 Field
3. ALSAN RS 233 Mortar with natural quartz aggregate
4. ALSAN RS 287 Color Finish Base + Color Pack

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

③ ALSAN RS Fully Reinforced Trafficable System with Color Quartz

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 230 Field -RS Fleece-ALSAN RS 230 Field
3. ALSAN RS 233 Self-Leveling Mortar with color quartz
4. ALSAN RS 281 Clear Finish

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

ALSAN RS 260 LO Field and ALSAN RS 260 LO Flash may be used
in place of ALSAN RS 230 Field and ALSAN RS 233 Mortar, respectively,
for a low odor application option.

1

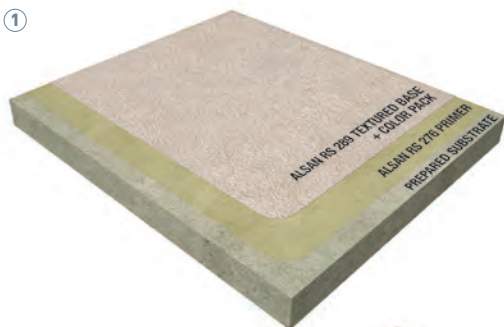
2

3

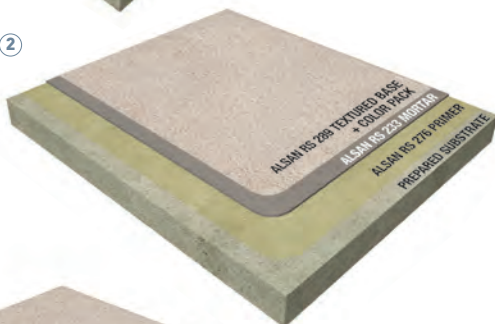
4

5

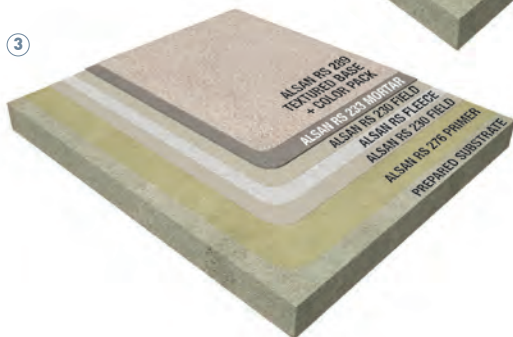
①



②



③



ALSAN RS 289 TEXTURED FINISH SYSTEMS

① ALSAN RS 289 Textured Base Partially Reinforced Balcony System

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 289 Textured Base + Color Pack

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

② ALSAN RS 289 Textured Base Heavy Duty Partially Reinforced System

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 233 LO Mortar
3. ALSAN RS 289 Textured Base + Color Pack

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

③ ALSAN RS 289 Textured Base Heavy Duty Fully Reinforced System

Construction

1. ALSAN RS 276 Primer
2. ALSAN RS 230 Field -RS Fleece-ALSAN RS 230 Field
3. ALSAN RS 233 Mortar
4. ALSAN RS 289 Textured Base + Color Pack

ALSAN RS 230 Flash with ALSAN RS Fleece for details and flashing

ALSAN RS 260 LO Field and ALSAN RS 260 LO Flash may be used
in place of ALSAN RS 230 Field and ALSAN RS 233 Mortar, respectively,
for a low odor application option.

1

2

3

4

5



Basic Information	1
Product Information	2
Systems Information	3
Application Information	4
Details	5



CONTENTS	PAGE
Mixing	56
Catalyst dosage chart	57
Priming	58
Leveling with ALSAN RS Paste	60
Fully reinforced application	62
Protective and wear layer application	66
Surfacing applications	70
Drain installation	73
Pipe projection installation	76
Metal edge strip-in application	78
Control joint application	80
I-beam installation	82
Stair application	84

1

2

3

4

5

MIXING

ALSAN RS systems are two- or multi-component products based on PMMA (polymethyl methacrylate) technology. The second component is a white catalyst powder which activates the curing reaction of the liquid resin product. Catalyst quantity is determined by **resin amount** and **ambient temperature**.

When mixing, it is important to thoroughly mix the catalyst into the liquid resin. A slow-speed mechanical agitator (electric drill with a mixing paddle) should be utilized to ensure thorough mixing. For smaller quantities, the catalyst can be stirred into the liquid resin by hand using a stir stick.

Always mix only as much resin as can be consumed based on product pot life.



Use caution when handling products. Keep away from open flame, fire or any ignition source. Avoid skin and eye contact with this product. Workers must wear long sleeved shirts, long pants, work boots and use only butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection. Use of NOISH approved respirator is required if the airborne concentration exceeds recommended limits. For more information, refer to relevant Material Safety Data Sheets (MSDS).

CATALYST DOSAGE

		RESIN QUANTITY (KG)								
		1	2	3	4	5	10	15	20	25
CATALYST DOSAGE	1%	1	2	3	4	5	10	15	20	25
	2%	2	4	6	8	10	20	30	40	50
	3%	3	6	9	12	15	30	45	60	75
	4%	4	8	12	16	20	40	60	80	100
	5%	5	10	15	20	25	50	75	100	125
	6%	6	12	18	24	30	60	90	120	150
		TEASPOONS								

One teaspoon weighs approximately 10 grams or 0.001 kg.

Each 0.1 kg packet of catalyst activator is equivalent to 10 level teaspoons.



Standard equipment for application.

1



Materials: liquid component, catalyst (white powder) and mixing paddle.

2



Thoroughly stir liquid material in the bucket prior to catalyst activation.

3



For batch mixing, pour off product (primer, resin, leveling mortar, etc.) into clean mixing bucket.

4



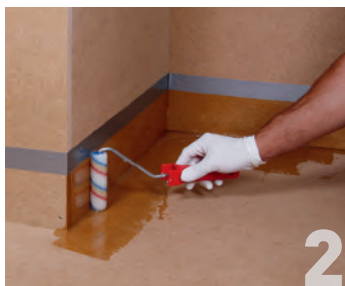
Catalyst (according to mixing table, temperature and processing time) mixed with low-speed agitator. Mix for two (2) minutes. (Small amounts may also hand-mixed.)

5

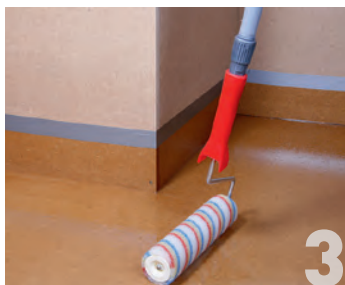
Before the start of the waterproofing work, prepare and clean areas of application and mask off application with masking tape.



Prime surface as necessary (refer to substrate chart). Wood and concrete substrates must be primed. Apply primer via lambswool roller or brush. Consumption will depend on existing surface texture and roughness: approximately $0.5 \text{ kg} / \text{m}^2$.



Apply primer by roller over entire surface. Consumption will depend on existing surface texture and roughness: approximately $0.5 \text{ kg} / \text{m}^2$.





Immediately remove masking tape.



The primed surface is ready after about 30 minutes for additional layers.

1

2

3

4

5

ALSAN RS Paste is a thick resin used for leveling and preparation of substrate to eliminate voids. ALSAN RS Paste can be mixed at a 1:3 ratio with quartz sand.



Add necessary quantity to a mixing bucket ...



... Add catalyst activator and mix thoroughly.





Prime all areas prior to application of ALSAN RS Paste. Fill cavities, etc.

1

2



The filler can be applied with a trowel or spatula. Consumption depends on the nature of the substrate. Rule of thumb: about 2 kg per m² at one millimeter thickness.

3

4



Allow the paste to cure for 15 minutes prior to subsequent layer applications.

5

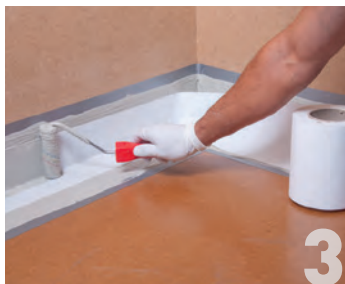
Before the start of the waterproofing work, prepare and clean areas of application and mask off application with masking tape.



Roll catalyzed resin onto prepared substrate. Provide sufficient liquid, especially onto vertical surfaces (about 2.0 kg / m²).



Apply the previously cut fleece into wet catalyzed liquid resin. Roll fleece into liquid resin, removing air bubbles and wrinkles with a roller. Any fleece overlaps require additional application of catalyzed liquid resin between fleece layers.





Immediately roll in additional catalyzed resin, fully saturating fleece. Visible white areas in fleece reinforcement are evidence of too little material being applied.

Consumption: approximately 1.0 to 1.3 kg / m².

1

2



Pour catalyzed resin onto prepared substrate. Provide sufficient material for the fleece embedment layer (about 1.5 kg / m²).

3

4



Evenly distribute catalyzed liquid resin with a lambswool roller or 3/16 in. (5 mm) notched squeegee.

5

Install ALSAN RS Fleece reinforcement directly into wet catalyzed liquid resin. Roll fleece into liquid resin, removing air bubbles and wrinkles with roller.



Apply additional catalyzed resin over fleece.



Immediately roll catalyzed resin, fully saturating fleece. Visible white areas in fleece reinforcement are evidence of too little material being applied. Consumption: approximately 1.0 to 1.3 kg / m².

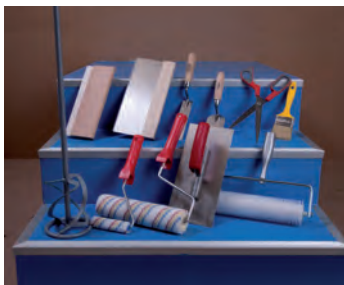




The surface is cured after about 60 minutes for additional layers, as required.

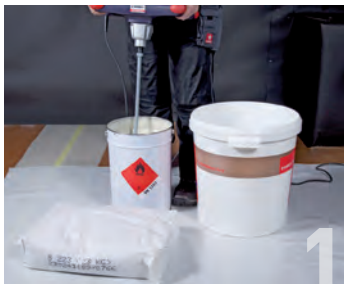
1
2
3
4
5

Apart from the actual product components that are used to create the protective layers, the following tools are needed:
Large mixing bucket, spiked roller, trowel, etc. It is important to ensure a clean and tidy mixing area.



The required product components for the creation of ALSAN RS 233 Self-Leveling Mortar: ALSAN RS 210, ALSAN RS 223 Mixing Powder, catalyst. The first two components are mixed.

This mixture can be stored (ALSAN RS 233 mortar course, without a catalyst), for approximately one week and must be mixed again prior to the addition of the catalyst activator.



After mixing the first two components, add the prescribed amount of catalyst. Mix well.





Apply mixed material to the primed substrate or previously installed layers.

1

2



Apply with a trowel ...

3

4



... Distributing evenly.
Consumption: 3.5 - 4.5 kg / m².

5

Use a spiked roller in order to even out the application. As specified, sprinkle with natural quartz, colored quartz or Deco Color Chips.



Allow about 60 minutes to cure before application of subsequent layers.

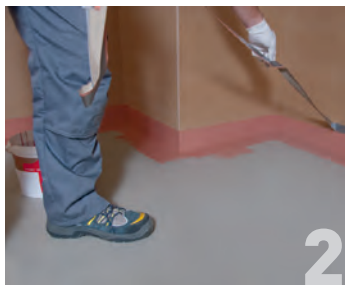




Mask application edges with
masking tape. Apply ALSAN RS
287 Color Finish Base
+ Color Pack.
Consumption: approximately
 $0.4 \text{ kg} / \text{m}^2$.



Immediately remove
masking tape.



Apply ALSAN RS 287
Color Finish Base + Color Pack
with a lambswool roller, trowel
or flat-edged squeegee.
Consumption: approximately
 $0.6 - 0.8 \text{ kg} / \text{m}^2$.





Prior to curing, immediately apply decorative vinyl chips with the hopper gun or by hand.

Consumption: approximately 0.04 - 0.1 kg / m².

1

2



Finished surface. No further sealing is necessary. The area is accessible after one hour and can withstand consistent trafficking after one day.

3

4

5

Variant surfacing application used to achieve a required slip resistance and increased abrasion strength

Prior to curing of mortar course, broadcast natural or colored kiln-dried quartz aggregate to excess. Grain size selection is dependent upon trafficking requirements.

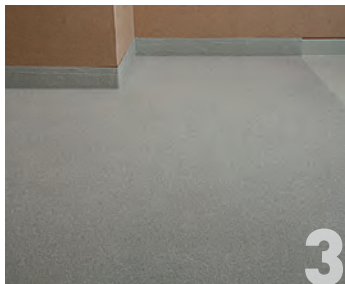


Sweep off excess sand.

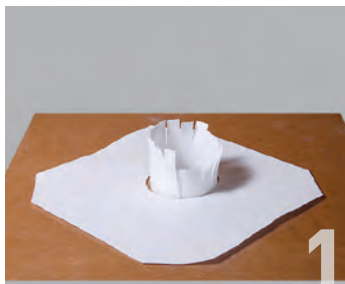


The aggregated surface can be coated with ALSAN RS 287 Color Finish Base + Color Pack or ALSAN RS 281 Clear Finish after about 15 minutes.

Note: This aggregated surface must always be sealed.



Prepare given substrate as necessary. Wood and concrete surfaces must be primed with ALSAN RS 276 Primer. Apply primer with lambswool roller or brush. Consumption: approximately 0.5 kg / m². Pre-cut all ALSAN RS Fleece.



1

2

3

4

5

Allow primer to cure approximately 20 minutes. Mask off area with masking tape. Apply ALSAN RS 230 Flash with a brush or lambswool roller. Consumption: about 2.0 kg / m².



2

Install pre-cut fleece into wet ALSAN RS 230 Flash. Use roller to eliminate wrinkles and air bubbles. Completely saturate all fleece. Additional liquid resin should be applied in areas where the fleece reinforcement overlaps.



3



Apply additional application of ALSAN RS 230 Field in preparation for target fleece installation. This layer may be applied concurrently with initial fleece installation; there is no waiting period between fleece installations.



Fully saturate second fleece installation, removing all wrinkles and air bubbles. Consumption: 1.0 to 1.3 kg /m².



Immediately remove masking tape. No drain clamping ring installation is subsequently required.

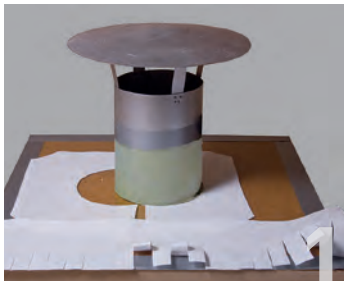
Prior to start of application, prime areas as necessary.

Apply masking tape to application edges.

Prepare metal surface by abrading metal, removing existing coatings, rust.

Wipe with ALSAN RS Cleaner.

Pre-cut ALSAN RS Fleece polyester reinforcement prior to resin activation.



1

Apply ALSAN RS 230 Flash with a lambswool roller.

Consumption: about 2.0 kg / m².



3

4

Install pre-cut fleece into wet ALSAN RS 230 Flash.

Use roller to eliminate wrinkles and air bubbles. Completely saturate all fleece.

Additional liquid resin should be applied in areas where the fleece reinforcement overlaps.

Saturate fleece on vertical surface with ALSAN RS 230 Flash.

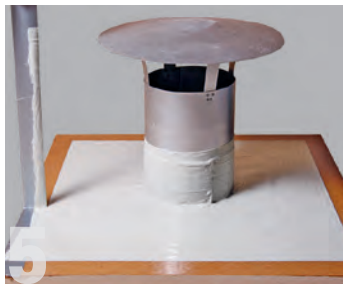
Consumption: approximately 1.0 to 1.3 kg / m².



5



While still wet, install RS Fleece target reinforcement around horizontal base. Apply ALSAN RS 230 Flash. Consumption: approximately 1.0 to 1.3 kg / m².



Promptly remove masking tape prior to ALSAN RS 230 Flash curing.



Prior to application, prepare surface via metal abrasion. Wipe surface with ALSAN RS Cleaner with a rag in order to thoroughly clean surface. Allow to dry prior to continuing application.



Mask off area with masking tape prior to application. Apply ALSAN RS 230 Flash with a brush or lambswool roller. Consumption: about 2.0 kg / m².



Install ALSAN RS Fleece into wet ALSAN RS 230 Flash.





Use the roller to eliminate any wrinkles or air bubbles. Completely saturate the fleece. Additional liquid resin should be applied in areas where the fleece reinforcement overlaps.

1

2



While still curing, apply a top application of ALSAN RS 230 Flash in order to complete liquid membrane construction. Consumption: approximately 1.0 to 1.3 kg / m².

3

4

5

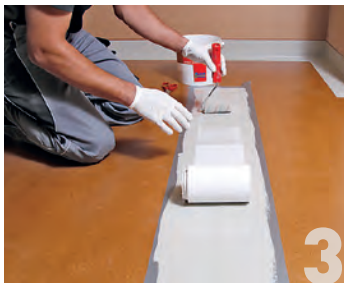
Prior to start of application,
prime areas as necessary.
Apply masking tape to
application edges.



Apply ALSAN RS 230 Flash
with a lambswool roller.
Consumption:
about 2.0 kg / m².



Install ALSAN RS Fleece
reinforcement into wet ALSAN
RS 230 Flash. Use the roller to
eliminate any wrinkles or air
bubbles. Completely saturate
the fleece. Additional liquid
resin should be applied in
areas where the fleece
reinforcement overlaps.





While still curing, apply a top application of ALSAN RS 230 Flash in order to complete liquid membrane construction. Consumption: approximately 1.0 to 1.3 kg / m².

1

2



Immediately remove masking tape.

3

4



Please note:

This assembly is for joints with low to moderate expected movement. More dynamic movement requires a different assembly. Contact Technical Services for additional information.

5

Prior to start of application, prime areas as necessary.

Apply masking tape to application edges.

Prepare metal surface by abrading metal, removing existing coatings, rust.

Wipe with ALSAN RS Cleaner.

Apply ALSAN RS 230 Flash with a lambswool roller.

Consumption:
about 2.0 kg / m².



Install ALSAN RS Fleece reinforcement into wet ALSAN RS 230 Flash. Use roller to eliminate any wrinkles or air bubbles. Completely saturate the fleece. Additional liquid resin should be applied in areas where the fleece reinforcement overlaps.



While still curing, apply a top application of ALSAN RS 230 Flash in order to complete liquid membrane construction on vertical reinforcement.

Consumption: approximately
1.0 to 1.3 kg / m².





While still wet, install RS Fleece target reinforcement around horizontal base of I-beam. Immediately apply ALSAN RS 230 Flash in order to complete liquid membrane construction. Consumption: approximately 1.0 to 1.3 kg / m².



Promptly remove all masking tape prior to liquid membrane curing.

1

2

3

4

5

The following series of photos illustrate a fully reinforced staircase application. Very often, in practice, only planar transition changes are fleece reinforced.

Surface substrate should be properly prepared. Refer to substrate preparation chart for additional information.



Prime surface as necessary. Wood and concrete surfaces require primer application.



Apply primer with a brush or lambswool roller. Consumption: 0.5 kg / m² depending on surface texture. Allow to dry approximately 20 minutes.





Apply catalyzed ALSAN RS 230 Flash. Consumption: about 1.5 kg / m².

1

2



... and spread with a roller.

3

4



Install ALSAN RS Fleece reinforcement into wet ALSAN RS 230 Flash. Use the roller to eliminate any wrinkles or air bubbles. Completely saturate the fleece. Additional liquid resin should be applied in areas where the fleece reinforcement overlaps.

5

While still curing, apply a top application of ALSAN RS 230 Flash in order to complete liquid membrane construction.
Consumption: approximately 1.0 to 1.3 kg / m².



Allow to cure for 30 minutes prior to wearing surface applications.



Use ALSAN RS Paste as a setting bed for the protective metal edge profile installation.





Apply catalyzed ALSAN RS Paste directly to clean and dry ALSAN RS 230 application. Consumption depends on the nature of the substrate. Rule of thumb: about 2 kg / m² and one millimeter in thickness.

1

2



Install the metal edge profile, pressing them into wet ALSAN RS Paste.

3

4



The metal edge profiles are recommended for slip resistance purposes.

5

Apply masking tape to metal edge profiles.
Mix mortar course (see ALSAN RS 233 Self-Leveling Mortar), catalyze and apply ...



... and distribute onto horizontal surfaces with a trowel.
Consumption: 3.5 - 4.0 kg / m².
Immediately remove masking tape. Allow to dry approximately 30 minutes prior to subsequent applications.



Apply masking tape over metal edge profiles. Mix and catalyze ALSAN RS 287 Color Finish Base and apply ...





... and spread with a lambswool roller. Consumption: 0.6 - 0.8 kg / m².
Immediately remove masking tape.

1
2


The staircase is accessible after one hour and able to withstand heavy traffic after one day.

3
4
5



Surface Preparation	1
Product Information	2
Systems Information	3
Application Information	4
Details	5



DETAILS	PAGE
Inside corner detail	94
Outside corner detail	95
Standard wall flashing	96
Brick wall flashing w/ reglet	97
Drain flashing	98
Metal edge tie-in	99
Pipe projection	100
Rail post projection	101

1

2

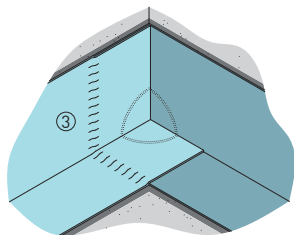
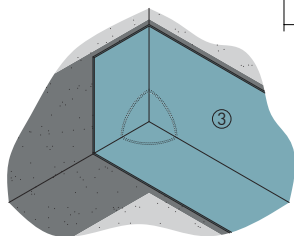
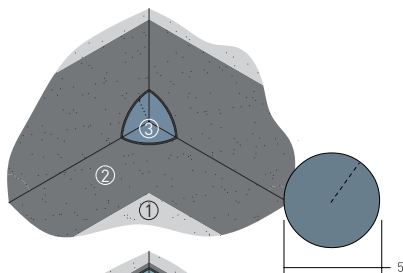
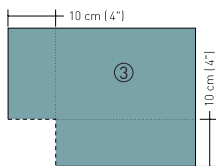
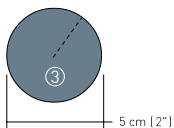
3

4

5

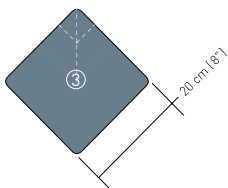
Inside Corner Detail

- ③ ALSAN 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 / 222 Primer (as necessary)
- ① Prepared substrate

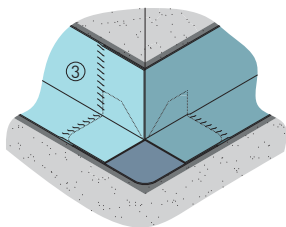
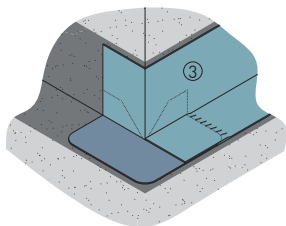
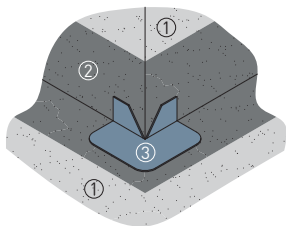
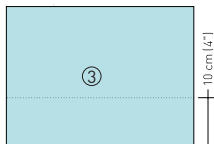
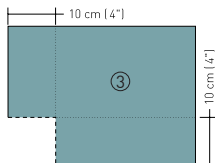


Outside Corner Detail

- ③ ALSAN 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Prepared substrate



cm (2")



1

2

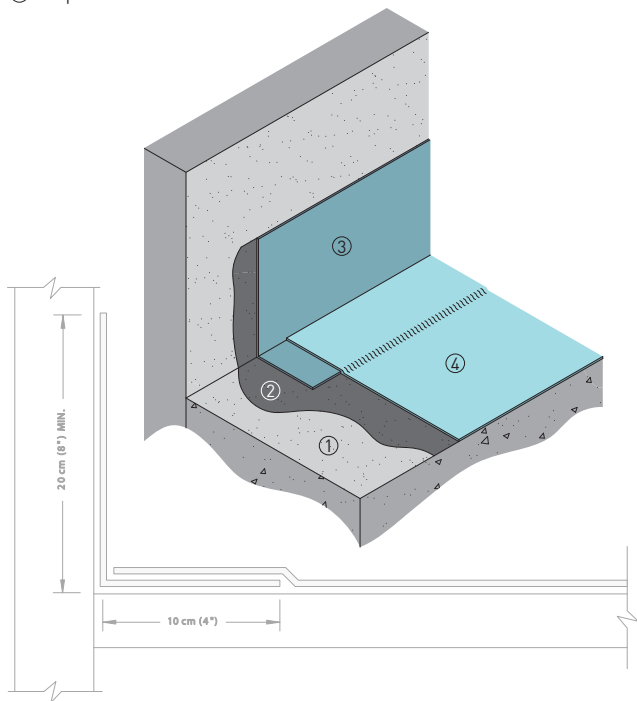
3

4

5

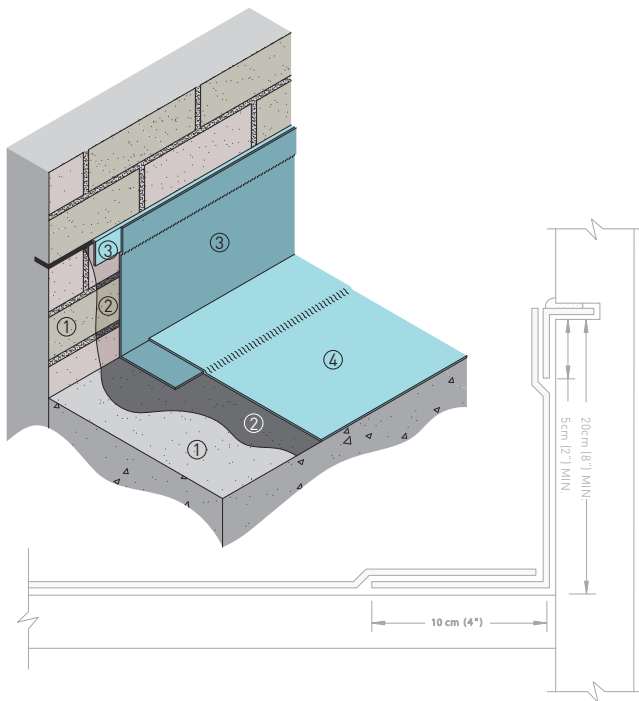
Standard Wall Flashing

- ④ ALSAN RS 230 Field / ALSAN RS Fleece / ALSAN RS 230 Field
- ③ ALSAN 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Prepared substrate



Brick Wall w/ Reglet

- ④ ALSAN RS 230 Field / ALSAN RS Fleece / ALSAN RS 230 Field
- ③ ALSAN RS 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Prepared substrate



1

2

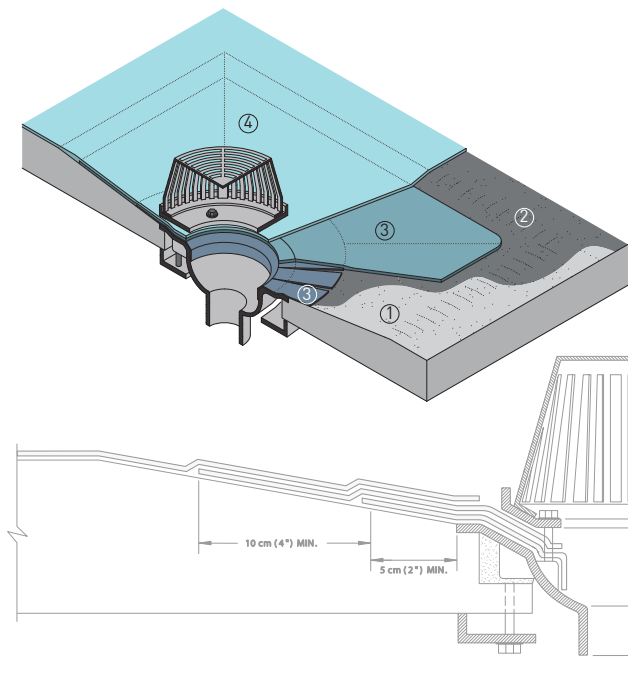
3

4

5

Drain Flashing

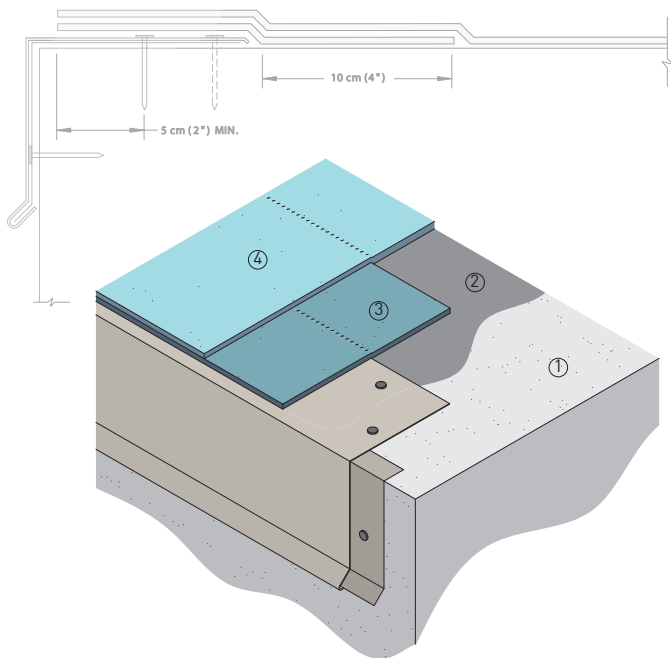
- ④ ALSAN RS 230 Field / ALSAN RS Fleece / ALSAN RS 230 Field
- ③ ALSAN 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Prepared substrate



NOTE: Drain ring clamp installation is optional in ALSAN RS fluid-applied membrane application.

Metal Edge Flashing

- ④ ALSAN RS 230 Field / ALSAN RS Fleece / ALSAN RS 230 Field
- ③ ALSAN RS 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Prepared substrate



1

2

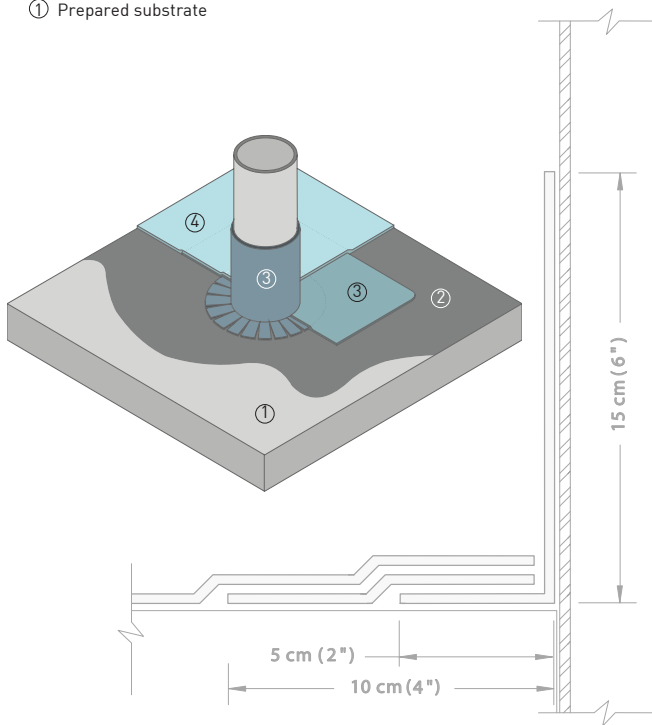
3

4

5

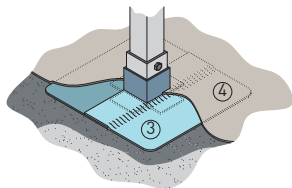
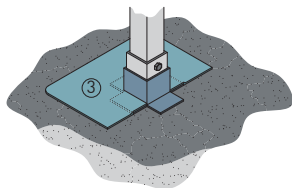
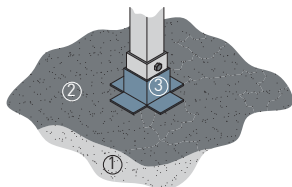
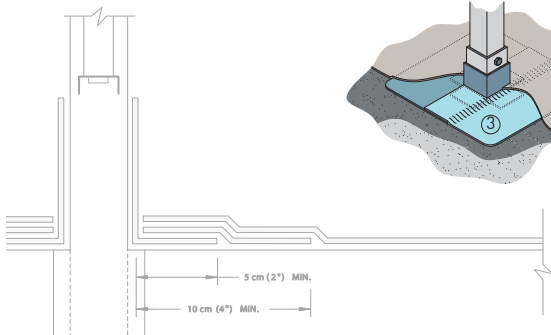
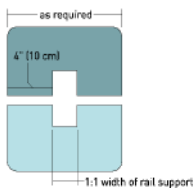
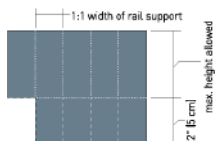
Pipe Projection

- ④ ALSAN RS 230 Field / ALSAN RS Fleece / ALSAN RS 230 Field
- ③ ALSAN RS 230 Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Prepared substrate



Rail Post Penetration

- ④ ALSAN RS 230 Field / ALSAN RS Fleece / ALSAN RS 230 Field
- ③ ALSAN 230 RS Flash / ALSAN RS Fleece / ALSAN RS 230 Flash
- ② ALSAN RS 276 Primer (as necessary)
- ① Pr



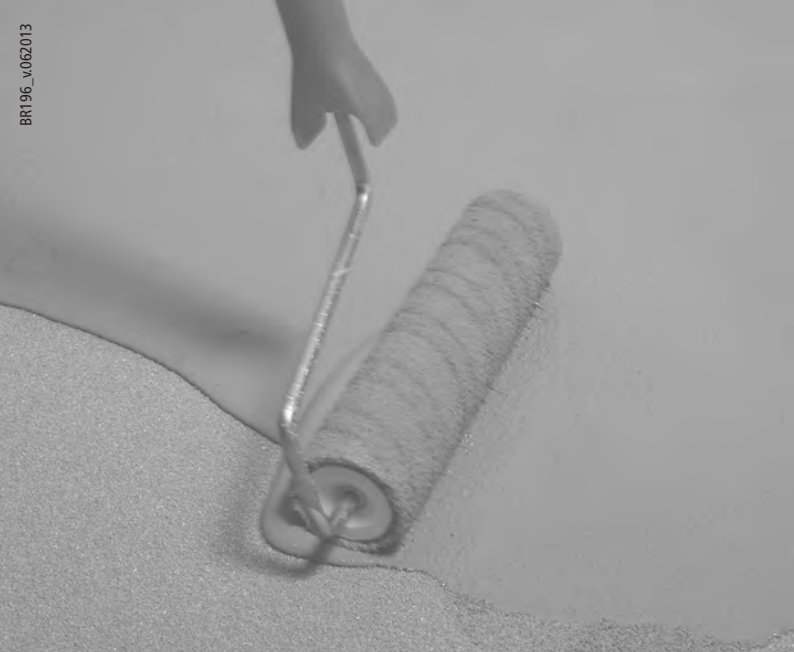
1

2

3

4

5



SOPREMA CANADA

1688, Jean-Berchmans-Michaud
Drummondville, Quebec, J2C 8E9
Canada

1 877 MAMMOUTH

www.soprema.ca