



WATERPROOFING

ALSAN[®] PMMA

LIQUID WATERPROOFING

ROOFS

BALCONIES

PARKING DECKS

FAST-CURING POLYMETHYL METHACRYLATE COATING SYSTEM FOR
ROOFING, BALCONIES AND PARKING DECKS





ALSAN[®] PMMA

THE PERFECT SOLUTION FOR PROJECTS WITH TIGHT DEADLINES

Succeeding in the construction field requires efficiency and high-quality products. That's why SOPREMA is constantly releasing innovative and well-tested waterproofing and protective solutions to the market. The ALSAN PMMA rapid-curing, liquid-applied systems, composed of various polymethyl methacrylate (PMMA) based resins, are a cutting-edge solution. With dramatically fast curing times, these new liquid-applied systems waterproof and protect roofs, balconies and terraces from water.

BENEFITS

- Rapid curing to meet deadlines
- Seals and protects from water
- Flexible, thanks to the polyester reinforcement
- Ideal for hard-to-reach places

WORKING WITH LIQUID RESINS



Modern architecture demands perfect solutions that ensure lasting success in terms of functionality, cost-effectiveness and aesthetic appeal.

Over the past 40 years, liquid resins have established themselves in the market as durable materials that are eminently suitable for waterproofing and surfacing applications. Due to the specific properties of liquid resins – such as low-temperature flexibility, high tear-propagation resistance, elasticity, UV resistance and root resistance – these materials are becoming increasingly important and are now the obvious choice for many waterproofing applications, not only for larger projects, but also for interfaces, borders and upstands, where they offer lasting solutions. Liquid resins are included in all the major standards and regulations and are now state of the art.

Every segment and every application has different requirements regarding liquid-resin systems. The different options for build-up systems and material selection are adapted to the individual use requirements associated with waterproofing or surfacing projects. The layers are always fully bonded to the substrate. Consequently, such systems, if properly applied – and if the stipulated basic conditions are complied with – are absolutely watertight, resistant to subsurface migration, and durable. A fundamental requirement for this kind of waterproofing result is proper and careful substrate preparation and pretreatment.

PMMA – MORE THAN JUST FAST: UNBEATABLE

Since it was first developed around 1928, PMMA (polymethyl methacrylate) has become an essential part of everyday life. In the areas of waterproofing and surfacing, ALSAN PMMA by SOPREMA is the perfect choice on account of its special formulation to suit every requirement, offering controllable curing times and optimal end properties on site. Certified for the highest performance classes with endless possibilities in terms of application, creativity and flexibility, ALSAN PMMA systems offer certified quality at the highest level.





ROOFING SYSTEMS

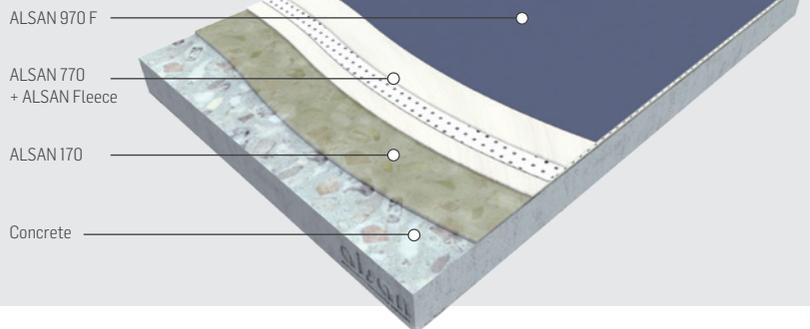
The roof is one of the most stressed parts of a building. It is exposed not only to all types of weather conditions, and often to chemical and biological pollutants.

In addition, the classic flat roof is undergoing considerable changes as it becomes a utilized level. Penetrations, aeriels, air-conditioning units and their associated maintenance tasks are taking their toll on roof waterproofing systems more than ever, and yet these roofs are expected to be even more reliable. In urban areas, roofs are being converted into new living spaces. Planted roofs, terraces and leisure areas are becoming more common. ALSAN PMMA systems offer a customized solution for all these requirements.

BESPOKE ROOFING SYSTEM

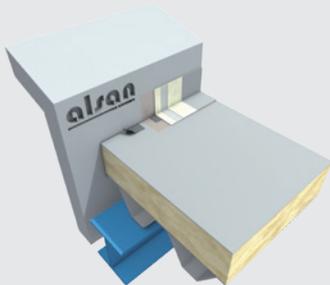
MEDIUM SYSTEM ROOF

- Walkable with a slip-resistant option
- ETAG 005 certified with appropriate reaction to fire test Broof T1
- Upstands and penetrations can be created easily, irrespective of the substrate material



BESPOKE FLASHING SYSTEMS

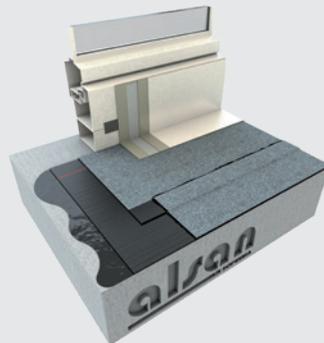
INTERFACE WITH WALL ON FPO/TPO PLASTIC SHEET WATERPROOFING



- ① Substrate: Concrete/Plastic sheet
- ② Primer on concrete: ALSAN 170 Primer
- ③ Primer on plastic sheet: ALSAN 103 FPO/TPO Primer
- ④ Waterproofing: ALSAN 770 TX with special embedded fleece
- ⑤ Finish (optional): ALSAN 970 F in colour of sheeting

Please note: Fixings must be de-coupled. For liquid-resin interfaces with other plastic sheets: see substrate table for ALSAN liquid resins.

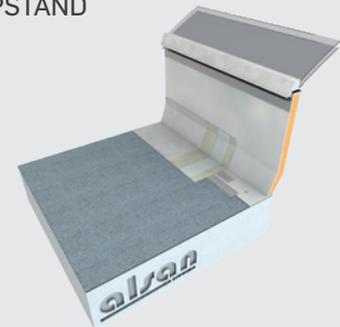
WINDOW INTERFACE (PVC)



- ① Substrate: Metal/Bitumen sheet/PVC
- ② Primer: No primer required
- ③ Waterproofing: ALSAN 770 TX with special embedded fleece
- ④ Finish (optional): ALSAN 970 F in colour of frame

Please note: Frame drainage must be kept clear!

DOMELIGHT INTERFACE/ UPSTAND



- ① Substrate: Bitumen sheet/GRP
- ② Primer: No primer required
- ③ Waterproofing: ALSAN 770 TX with special embedded fleece
- ④ Finish (optional): ALSAN 970 F in domelight colour

BALCONY SYSTEMS

Adverse weathering influences and mechanical stress coupled with high aesthetic demands – these are the challenges that liquid resins encounter in balcony applications.

ALSAN PMMA provides a large number of slip-proof and abrasion-resistant products and finishes for walkable areas, such as balconies, terraces and stairways. The UV-resistant ALSAN PMMA-based liquid resins are available in almost all RAL colours and offer vast scope for aesthetically appealing designs. Innumerable ways of combining different colours and textures give free rein to creativity without impairing functionality.

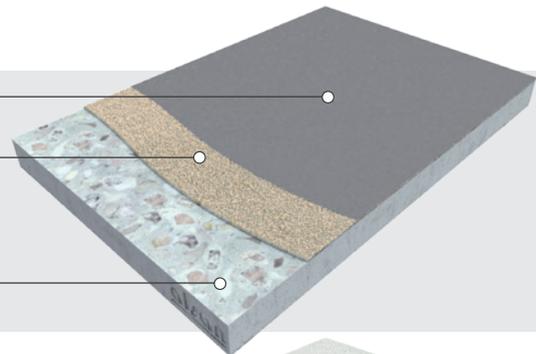


BESPOKE BALCONY SYSTEMS

EASY-SYSTEM BALCONY

- Thin-layer system with low build-up height
- Good grip due to quartz sand topping
- Low material consumption

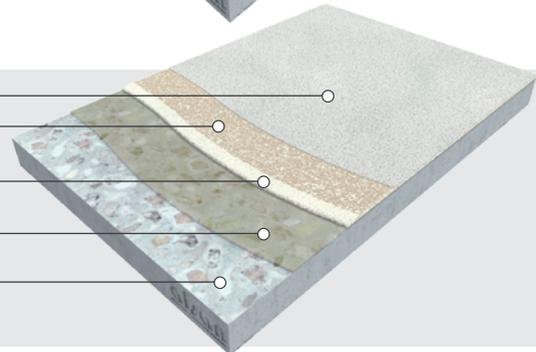
ALSAN 970 F
ALSAN 170 topped with quartz sand
Concrete



MEDIUM-SYSTEM BALCONY

- Robust balcony system with good grip
- Self-levelling mortar smooths out substrate irregularities
- Decorative finish with coloured quartz possible

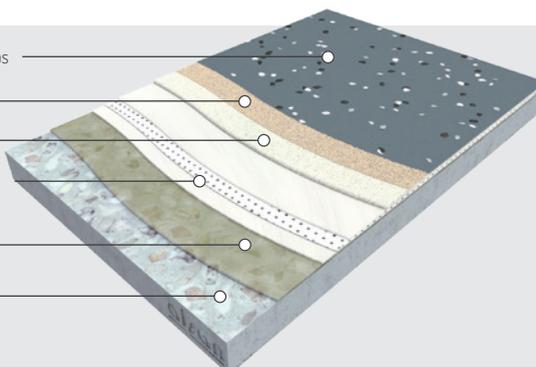
ALSAN 970 F
Quartz sand
ALSAN 870 RS
ALSAN 170
Concrete



LARGE-SYSTEM BALCONY

- High-grade balcony system with waterproofing level including reinforcement layer
- Self-levelling mortar smooths out substrate irregularities
- Decorate finish available by topping with coloured chips

ALSAN 970 F + ALSAN chips
Quartz sand
ALSAN 870 RS
ALSAN 770 + ALSAN fleece
ALSAN 170
Concrete



PARKING DECK SYSTEMS

The demands made on materials used in the maintenance of surfaces used by vehicles are extremely complex. While bridges have to be protected against moisture and salt water, road maintenance measures and ramps call for rapid solutions with the shortest possible closing times. Parking decks and underground garages require chemical resistance, whereas joints need high flexibility as well as compatibility with a range of substrates. And last but not least, good skid resistance and surface texture are important for area marking. ALSAN PMMA parking systems offer the right assembly for every application.



BESPOKE PARKING DECK SYSTEMS

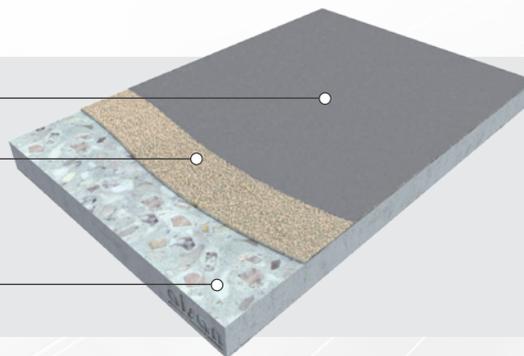
EASY-SYSTEM PARKING

- Thin-layer system to provide rigid surface protection that is suitable for vehicle traffic
- Freeze-thaw resistant
- Resistant to de-icing salts and fuel

ALSAN 972 F or 975 F

ALSAN 176
topped with quartz sand

Concrete



MEDIUM-SYSTEM PARKING

- Thick-layer surface protection system according to DIN EN 1504-2
- Extremely resistant to wear from vehicle use
- Resistant to de-icing salts and fuel

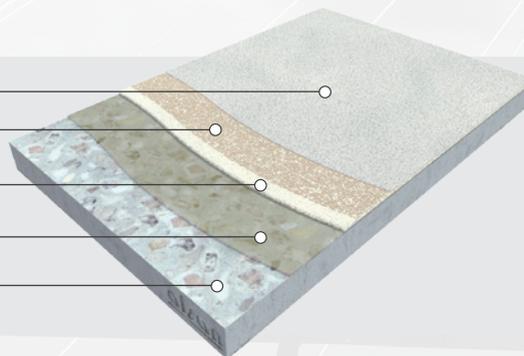
ALSAN 972 F or 975 F

Quartz sand

ALSAN 870 RS

ALSAN 176

Concrete



LARGE-SYSTEM PARKING

- Flexible, crack-bridging class 11a surface protection system
- Crack-bridging tested and approved at -20 °C
- Tested on DIN EN 1504-2

ALSAN 972 F or 975 F

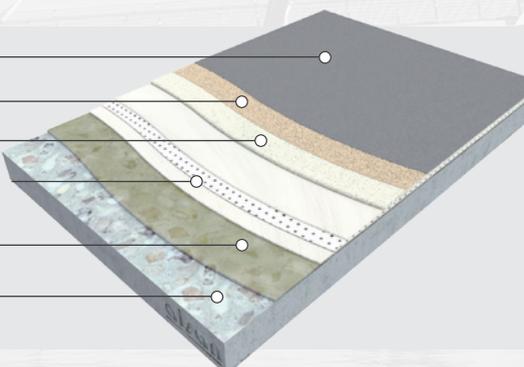
Quartz sand

ALSAN 870 RS

ALSAN 770 + ALSAN fleece

ALSAN 176

Concrete
(and other substrates)



UNRESTRICTED DESIGN

FUNCTIONALITY AND AESTHETIC APPEAL SURFACE SOLUTIONS

Surface design plays a key role in liquid-applied waterproofing and surfacing systems. Depending on your choice of systems, different finishing coats are available for details, upstands and open areas of roof terraces, balconies, and parking areas.

FINISHING OPTIONS



SLATE TOPPING
Used to match existing bituminous waterproofing and improve mechanical properties



ALSAN 970 F FINISH
Smooth, coloured surface sealer available in a wide range of RAL colours.



ALSAN 972 TEXTURED SURFACING
Extremely skid-resistant finish areas



ALSAN QUARTZ SAND
To improve mechanical properties or as a bonding coat for the subsequent build-up



ALSAN CHIPS
Pigmented surface sealer topped with decorative chips. Colour mix: black/white/grey



ALSAN COLOURED QUARTZ
Slip-resistant surface sealer with Colour quartz
Colour mixes:
light grey/black/white ,
silver/grey/black or
grey/red/white

FUNCTIONALITY AND AESTHETIC APPEAL SURFACE SOLUTIONS

Specific chip mixtures can be used to provide surface colour. Eight different mixtures are available, and generous amounts can be spread directly onto ALSAN 970 F self-leveling mortar or onto a special receiving layer until the entire surface is covered. Finally, a transparent finish is applied to seal the decorative and skid-resistant surface on balconies or the edge of swimming pools, stairs or any areas where a colourful and functional design is required.



INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.



WATERPROOFING



INSULATION



SOUNDPROOFING



FLOORING



COMPLEMENTARY SOLUTIONS

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

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