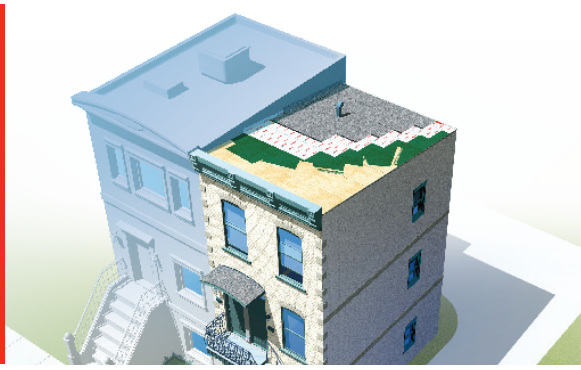
RESISTO

GRANULATED CAP SHEET - HIGH RESISTANCE

HR CAP SHEET



Self-adhesive granules covered finishing membrane. It is used as a finishing membrane in one-ply and two-plyr water-proofing systems for low slope roofs.

- Retains its flexibility at low temperatures
- Anti-slip
- Durable

PRODUCT PURPOSE

Application	Waterproofing	
Building Part	Roofing	
Types of Slope	Outside low slope	
Substrates	BASIC WATERPROOFING MEMBRANE	SOPRABOARD
	Plywood	OSB

PRODUCT CHARACTERISTICS

Technology	SBS modified bitumen
Surface	Granules
Underface	Two parts silicone release film
Reinforcement	High performance composite
Installation Method	Self-adhesive

PACKAGING

Code	Colour	Width		Length		Thickness		Selvedge Width	Net Area		Brute Area		Quantity (per pallet)
		m	in	m	ft	mm	mils	mm	m^2	ft^2	m^2	ft^2	
09141	Black	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	25
09131	Grey	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	25
09101	Brown	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	25
09151	Green	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	25
09124 (without box)	Black	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	30
09123 (without box)	Grey	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	30
09122 (without box)	Brown	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	30
09129 (without box)	Green	1	39	7	23	3.8	150	100	6.30	67.8	7	75.4	30

PROPERTIES (AS PER CSA 123.23-15, TYPE C, GRADE 1)

Properties	HR CAP SHEET	
	BEFORE HEAT CONDITIONING	AFTER HEAT CONDITIONING
Strain energy, min MD/XD **At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)** **At -18 °C ± 2 °C (0 °F ± 3.6 °F)**	 8/6.5 kN/m (46/37 lbf/in) 8/7 kN/m (46/40 lbf/in)	 7/6 kN/m (40/34 lbf/in) 6.5/6 kN/m (37/34 lbf/in)
Peak load, min MD/XD **At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)** **At -18 °C ± 2 °C (0 °F ± 3.6 °F)**	 17/14 kN/m (97/80 lbf/in) 22/19 kN/m (126/108 lbf/in)	 18/15 kN/m (103/86 lbf/in) 22/17 kN/m (126/97 lbf/in)
Elongation at peak load, min MD/XD **At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)** **At -18 °C ± 2 °C (0 °F ± 3.6 °F)**	 55/55 % 45/45 %	 50/50% 35/35 %

(All values are nominal)

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PROPERTIES (CONTINUED) (AS PER CSA 123.23-15, TYPE C, GRADE 1)

Properties	HR CAP SHEET	
	BEFORE HEAT CONDITIONING	AFTER HEAT CONDITIONING
Ultimate elongation, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	65/65 %	55/55 %
Dimensional stability, max MD/XD	±0.2/±0.2 %	
Low temperature flexibility, max MD/XD	-27/-27 °C (-17/-17 °F)	-18/-18 °C (0/0 °F)
Cold Bending	ASTM D5147	Unaffected at -20 °C (-4 °F)
Compound stability at 91 °C (196 °F)	121/121 °C (250/250 °F)	
Resistance to puncture	Pass	

(All values are nominal)
For CCMC product evaluation see CCMC Evaluation Listing #13288-L

INSTALLATION

Storage	Rolls should be stored upright. Tape side up. Can withstand freezing but should be reactivated to at least 10 °C (50 °F), 24 hours before installation .

Minimum Application Temperature	10 °C (50 °F)	
Complementary products	EXTERIOR PRIMER	ELASTOMERIC SEALANT

Tools Required		Knife		Roller
		Tape measure		Smoothing roller
		Trowel		

Surface Preparation	The substrate must be clean, dry and free of dust, grease or other contaminants and be primed with EXTERIOR PRIMER
Installation	1. Prime the substrate with EXTERIOR PRIMER from RESISTO. 2. Position the membrane parallel to the lower edge of the roof. 3. Fold the sheet, to half of its width, or 50 cm (20 in) over the whole length already positioned. It is recommended to kneel on the unfolded portion of the membrane to keep it in place during this operation. 4. Remove the protective film from the folded section while placing the membrane on the support. The pressure-sensitive portion will then adhere to the support. 5. Then take the other side of the membrane and repeat the previous two steps. 6. Immediately apply pressure on the membrane using a heavy metal roller or hard rubber roller to ensure adhesion between the support and the membrane and avoid forming bulges, folds or gaps. 7. Use non granulated side portion of the membrane to ensure a good overlap of about 10 cm (4 in) from each edge. The overlap must be positioned on the upper side of the slope. Note: 15 cm (6 in) overlaps must be sealed with the ELASTOMERIC SEALANT applied using a trowel on the granulated portion of the membrane. Refer to ROOF SYSTEM INSTALLATION for waterproofing membrane installation to roof details and upstands.
Tricks / Tips	Self-adhesive cap sheet membranes could be affected by poor ventilation when they are installed directly onto a ventilated attic space. It is recommended to mechanically fasten the membranes when the roof pitch is over 1:12 (8%).

Recommendations/ Limitations	It is not recommended to use a product containing bitumen directly on softwood boards or flexible polyvinyl chloride.

ULC LISTED CSA A123.23

20 YEARS WARRANTY FOR TWO-PLY SYSTEM*

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM