

Description	Two component surface tolerant high solids aluminium pigmented polyamine cured modified epoxy primer / coating.
Principal Characteristics	Primer/coating designed for maintenance Very low solvent content and good flow properties Self priming coating tolerant to lower grades of steel preparations Compatible with most aged good adhering coatings Good recoatability with epoxy and polyurethane paints Good curing at temperature down to 5°C Resistance to splash of a wide range of chemicals Good flexibility and abrasion resistance
Recommended use	Special for maintenance coating with the minimum surface preparation when blasting are not permitted because of structure, health and safety reason
Specification data on 20 °C	
Gloss	Semi gloss
Colour	Aluminium -light dark
Specific gravity	1.50 ± 0.15 [g/mL]
Solids by volume	73 ± 2 %
Recommended	Dry film thickness : 75 micron Wet film thickness : 102 micron
Coverage theoretical	9,73 m ² / litre, for dft 75 micron
Drying time	Touch dry : 5 Hours at 30 °C Hard dry : 20 Hours
Full cure	7 days
Potlife	6 Hours (after mixing components)
Painting interval	Min : 12 hours ; max : 7 days
VOC	247 g/litre (base), 336 g/litre (hardener)
Shelf Life	12 months (cool and dry place)
Flash point (DIN 53213)	Base = 50,5 °C, Hardener = 35 °C
Service temperature	Continuous : 100°C Periodic : up to 120 °C

Surface Preparation

Substrate	Recommended
For immersion in water	
Steel	Blast cleaned to SSPC-SP 10 or cleaned by wet blasting
Steel with approved shop primer	Power tool cleaned to SSPC-SP 3
Existing sound epoxy coating systems	Sufficiently roughened and free from any contamination. Maintenance; if blast cleaning is impractical, hand tool/power tool cleaned to SSPC-SP2 or 3 is recommended.
For atmospheric exposure conditions	
Steel	Power tool cleaned to SSPC-SP 3 or blast cleaned to SSPC-SP 6 for good corrosion protection

Product Data Sheet
SIMACOVER EP ALUMINIUM 1407-00

Existing sound coating systems	Sufficiently roughened, dry and cleaned
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Suitable top coat : SIMATHANE GLOSS or SIMATHANE HB FINISH

Application instruction

Condition	Recommended		
Temperatur	Min 5°C, max 50°C		
Relative humidity	Max 85 %		
Substrate temperature	should be at least 3°C above dew point.		
Mixing ratio	Base : Hardener = 4 : 1 [by volume] temperature of the mixture should be above 15°C		
Thinner	Sima Thinner 44-00 should be added after mixing the components, and stir well before use preferable by means of mechanical mixer. Too much solvent result in lower sag resistance and slower cure.		
Method of application	Thinner	Nozzle Orifice	Nozzle Pressure
1. Airless spray	0-5 %	0.021" - 0.027"	15 Mpa (150 Bar / 2100 psi)
2. Air Spray	10-15%	0.062 - 0.079"	0.3-0.4Mpa(3-4Bar;43- 57psi)
3. Brush	0 - 5 %	-	-

Packing and size instruction

Packing size (two packs product) : 5 and 20 litres

Storage The product must be storage in accordance with national regulation. Preferred storage condition are to keep the containers in the dry space provided with adequate ventilation. The containers should be sealed tightly.

Safety Precaution Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Ventilation shall be maintained from coating application until the completion of curing in order to remove residue of solvents and promote curing. Do not breathe the vapour or spray. This product is flammable. Keep away from sources of ignition. Do not smoke.

HEALTH AND SAFETY: For detailed information on the health and safety hazards and precaution for use of this product, please see the SAFETY DATA SHEET (SDS).

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