

Simacover EP Glassflake 3406-00

Product Data Sheet

Last update: September 2021

Description	Two component high solids glass flake reinforced polyamine cured epoxy coating.
Principal Characteristics	<p>Excellent abrasion and impact resistance Long term protection for areas subject to heavy wear and tear Excellent resistance to corrosion Very low water permeability, due to glass flake barrier Tar free Resistance to splash and spillage of a wide range of chemicals Application and curing at temperatures down to 5 °C</p>
Recommended use	Glass flake particularly used in areas of the subject to heavy impact, excellent corrosion resistant due to its low permeability and high electrolytic resistance
Specification data at 20 °C	
Gloss	Gloss
Colour	Grey, White
Specific gravity	1.50 ± 0.20 [g/mL]
Solids by volume	84 ± 2 %
Recommended	Dry film thickness : 400 micron Wet film thickness : 476 micron
Coverage theoretical	2.1 m ² / litre - 400 micron
Drying time	Touch Dry : 5 Hours at 30 °C Hard Dry : 7 Hours
Full cure	7 days
Potlife	2,5 Hours (after mixing components)
Painting interval	Min : 8 hours Max : 30 days
VOC	137 g/litre (base), 20 g/litre (hardener)
Shelf Life	Use within 12 months of production (cool and dry place)
Flash point (DIN 53213)	Base = 88,5 °C, Hardener = 25,5 °C

Surface Preparation

Substrate	Recommended
New Steel	SSPC-SP10 ISO Sa2 ½
The surface to be painted	Must be clean, free from rust, oil grease or other foreign matter using wash, detergent, or solvent wipe.

Suitable primer : SIMACOVER EP PRIMER or according to the specification

Application instruction

Condition	Recommended
Temperatur	Min 10°C, max 35°C
Relative humidity	Max 85 %
Substrate temperature	should be at least 3°C above dew point.

Last update: September 2021

Mixing ratio	Base : Hardener = 3 : 1 [byvolume] temperature of the mixture should be above 15°C		
Thinner	<ul style="list-style-type: none"> - Sima Thinner 44-00 otherwise extra solvent may be required to obtain application viscosity. - To much solvent results in lower sag resistance and slower cure - Thinner should be added after mixing the components - Stir well before use, preferable by mechanical mixer to ensure good homogeneity. - Application with brush only for touch up and spot repair (due to thixotrophy it is difficult to obtain a smooth film by brush although this does not affect performance) 		
Method of application 1. Airless spray 2. Air Spray 3. Brush	Thinner	Nozzle Orifice	Nozzle Pressure
	0-5 %	0.021” - 0.031”	1190 - 225 Bar/2100 - 3200 psi
	5-10 %	0.062 - 0.079”	3 - 4Bar /43 - 57psi
	0-5 %	-	-

Over coating for DFT up to 250 microns

Substrate temperature	5 °C	10 °C	20 °C	32 °C	40 °C
Minimum interval	24 hours	12 hours	8 hours	6 hours	5 hours
Max. interval	30 days	30 days	30 days	30 days	30 days

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).

The information in this data sheet is to the best our knowledge connects at date printing. The company reserves the right to the modify data without notice. Any change in data will normally be followed by issued of new data sheet. The user should check the data of printing and if more than 12 months have elapsed, then the data should on only be used after checking with our nearest self-office to establish that they are still valid. Since condition of application and services may be beyond our control, no liability can accept on basis of this data.