

PRODUCT DESCRIPTION

A glass flake reinforced, fast-curing vinyl ester coating with excellent chemical resistance

- Excellent resistance to aggressive chemicals, including organic and inorganic acid solutions and many aliphatic solvents
- Excellent mechanical properties, fast curing and quick return to service.

RECOMMENDED USES

A high flake filled vinyl ester coating with high crosslinking density, to provide corrosion protection for the internals of storage tanks, steel structures and concrete structures. HilonLining 6520 is employed for many applications in the power, mining and chemical processing markets, where excellent chemical resistance is required. Please consult Hilon representatives for further information of contacting cargoes.

PRODUCT INFORMATION

Colour	RT5202 Grey
Curing Agent	RTC520
Gloss level	Not applicable
Volume Solids	100% (Reactive) , 86% ± 3% (Practical Coverage)
Typical Thickness	350–650 microns dry equivalent to 407–756 microns wet
Theoretical Coverage	1.91 m ² /litre at 450 microns d.f.t
Mix Ratio	Part A (Base) : Part B (Curing Agent) = 50 : 1 (by volume)
Flash Point	32°C

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000. Where necessary, remove weld spatter and smooth weld seams and sharp edges. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Bare Steel	This product must only be applied to surfaces prepared by abrasive blast cleaning to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. If used in immersion or high temperature environment, the surface should be cleaned by sandblasting to Sa3 (ISO 8501-1: 2007) or SSPC SP5 standard. A sharp, angular surface profile of 75–125 microns is recommended. Surface defects revealed by the blast cleaning process, should be ground, filled, or treated in the appropriate manner. For the details of surface treatment procedure, see product application guidelines. This guideline should be consulted prior to use.
Others	Please consult Hilon representatives.

APPLICATION

Application Condition	Surface temperature must always be a minimum of 3°C(5°F) above dew point. To achieve the best performance, the surface temperature, air temperature and coating temperature should be between 10°C and 40°C. During application and curing, the coating should not be exposed to high humidity environment and it may be necessary to use dehumidifying, air conditioning and/or heating equipment to control environmental conditions to ensure adequate ventilation. When using airless spraying, attention should be paid to avoid over spraying. Strictly follow
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	the product application guidance for operation.
Mixing	Well agitate Part A (Base) and Part B (Curing Agent) separately. Then combine 50 volume of Part A with 1 volume of Part B and mix thoroughly with power agitator.
Pot Life (25°C)	50 minutes (Reduced at higher temperature)
Thinner	Not recommended
Airless Spray	Recommended, Tip Range 0.69–0.84 mm (27–33 thou) Total output fluid pressure at spray tip not less than 150 kg/cm ² (22000 p.s.i.)
Brush / Roller	Small areas only
Tools Cleaner	HilonThinner THR110

DRYING TIME and OVERCOATING INTERVAL

Temperature	10°C	15°C	25°C	40°C
Touch Dry	5 hrs	4 hrs	2 hrs	1 hr
Hard Dry	24 hrs	16 hrs	4 hrs	3 hrs
Min. Time Before Overcoating	12 hrs	8 hrs	4 hrs	3 hrs
Max. Time Before Overcoating	7 days	7 days	7 days	3 days

Maximum chemical resistance is not attained until the film has completely cured, please consult Hilon representatives for detail times.

SYSTEMS COMPATIBILITY

HilonLining 6520 can be used as a self-priming system. For other suitable primers/topcoats, please consult Hilon representatives to confirm that HilonLining 6520 is suitable for contact with the product to be stored.

UNIT SIZE

15 litres unit: 14.71 litres part A (Base) in 20 litres container, 0.29 litres part B (Curing Agent) in 1 litres container.

STORAGE

Must be stored in accordance with national regulations. Store in dry, shaded conditions away from sources of heat and ignition. Shelf Life 6 months minimum at 23°C (75°F). During storage and shipment, the temperature of the product should not be higher than 30 °C, so cold storage is recommended.

HEALTH and SAFETY

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet and the MSDS. All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

NOTE

The information in this data sheet is not intended to be exhaustive, for your reference only. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. Please contact us and request the latest version prior to using the product.