

SOLIDGUARD HCP
CHEMICAL RESISTANT EPOXY LINING RESIN

DESCRIPTION

SOLIDGUARD HCP is an extremely chemical resistant select blend of Bisphenol-A resin and high cross-linking activator that is specifically formulated for demanding acid or highly alkaline environments. Also excellent use in Petroleum storage tanks. It is applied as a roller coat on steel tanks or in combination with Glass fiber reinforcing membrane and chemical resistant C glass veil for optimum chemical resistance. Ideal for tanks exposed to extreme conditions in the pulp and paper industry, sugar industry, petroleum industry, Acid processing plants and tank farms.

Benefits:

- Excellent chemical resistance to a wide variety of corrosive environments.
- High mechanical properties.
- Extremely tough and crack resistant.
- Excellent scratch and mar resistance / easy to clean.
- Low odour.
- Thermal shock resistant.

Uses:

- Ideal for protection of concrete tanks, equipment bases, floors and drains against aggressive chemicals.
- Tank farms and chemical storage tanks.
- Acid bunds, tank linings.
- Chemical loading bays.
- Chemical resistant to 50% Sulphuric acid, 20% HCL , 5% Acetic acid, 30% Sodium Hydroxide.

TECHNICAL DETAILS

Application	Roller
Profile	Smooth
Typical Laminate Properties	
Finish	Gloss
Glass content	33% (2 x 450 GSM glass cloth)
Application Temp	5 - 30°C
Tensile strength	> 125 MPa ISO 527-1993
Service Temperature	110 °C max dry
Tensile Modulus	7800 MPa
Dry Film Thickness	1 - 3mm system
Flexural strength	> 200 MPa ISO 178-2001
Colour	Various standard
Walk on time	12hrs at 20 °C
Full cure	3 days
System details	
Primer	Solidkote STP primer
Top coat	SOLIDGUARD HCP

Substrate requirements:

Surfaces to be coated must be clean and free of dust, oily residues and loose friable material. All surfaced to be suitably prepared using grinders, shot blasting or scarifiers to remove laitance. Substrate must be a concrete screed Grade 2 evenness and must be a minimum of 20MPa compressive strength and must have a tensile pull off exceeding 1.5 MPa. The substrate should be dry to 75% RH (BS 8204) and free from rising damp or ground water pressure. Prime with Solidkote STP primer.

Application:

This is a specialized system that must be installed by an approved applicator with documented quality assurance. Consult Technical Finishes for list of approved applicators.

Chemical resistance: Consult Technical finishes' technical department for details.

Detailed application instructions are available upon request.

Health and safety: The system contains styrene and all appropriate PPE must be worn. Please consult Health and Safety Data sheets for each product.

Technical Finishes products are guaranteed against defective materials and are manufactured under high quality standards and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

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