

SOLVENT-FREE OSMOTIC PRESSURE RESISTANT EPOXY PRIMER

**ENHANCES BOND OF EPOXY SYSTEMS TO
SUBSTRATES
UNIVERSAL PRIMER FOR FLOORING SYSTEMS
LOW ODOUR AND QUICK SETTING
OSMOTIC PRESSURE RESISTANCE FOR
DECORATIVE AGGREGATE SYSTEMS**

PRINCIPAL USES

Designed to reduce absorption of overcoat liquids and make application of overcoats easier. Reduces chances of blistering when used as a tiecoat with broadcast aggregate.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e. abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy duty industrial detergent, Carboclean 250 or Carboclean 252 and rinsing with clean water. The surface must show open pores throughout with main aggregate in concrete exposed, and have a 80-grit sandpaper texture.

FOR STANDARD COATING CONDITIONS: Substrate moisture content should be below 5% and substrate tensile strength should be above 1.5 MPa. For recommendations with high moisture content conditions, refer to the "Osmotic Pressure Resistance" substrate preparation method below.

OSMOTIC PRESSURE RESISTANCE CONDITIONS: To enhance the resistance against the formation of blisters, ensure that a well-bonded main aggregate in the concrete is exposed during the abrasive blasting preparation procedure. Apply the primer to the textured substrate at 2,5m²/litre and broadcast Coarse Texture # 6223 evenly at 1,0kg/m². Sweep off the unbound aggregate when cured and vacuum to ensure no loose particles exist. Pull a scraper coat of Stonhard's specified resin system to level the surface, utilising a trowel and spike rollers to enhance the levelling. Once cured, continue with the specified coating systems.

MIXING

Empty the entire contents of the Base and Activator components into a clean, dry mixing container. Mix thoroughly for 2 minutes with an impeller fitted to a variable speed drill. Transfer material into another mixing container, scraping the sides and bottom of the container and remix for another 2 minutes. This step is critical to ensure complete cross-linking of components is achieved. **Do not aerate mix nor mix by hand.**

APPLICATION

Primer may be applied by rubber squeegee, brush or roller. It is important to obtain the proper coverage and not allow the material to puddle in holes or depressions. These can be filled by making an epoxy mortar consisting of 1 litre of Stonprime 786OPR mixed resin and a unit of Graded Aggregate # 622. Overcoat within 16 hours of curing.

DECORATIVE AGGREGATE STONSHIELD SLT SYSTEM

Use Stonprime SL739-SA and continue as per the Stonshield SLT product data sheet.

CAUTION

Under no circumstances should Pro-Struct 105 Brush Cleaner be mixed with any Epoxy Compound as this will inhibit the curing of the material. To avoid confusion, Pro-Struct 105 Brush Cleaner is coloured **blue**. In all cases, ensure that the first coat has not been contaminated by any foreign matter before applying subsequent coats. Abrade and vacuum to give a dust free surface. Remove spots of Epoxy on hands with cotton waste dipped in water. Always wash well with soap and water after using this material.

See also Instructions "Handling of Epoxy Products"

TYPICAL PROPERTIES AT 25°C

Finish	Semi-gloss
Colour	Amber
Consistency	Liquid
Volume Solids	100%
Theoretical Coverage Per Coat	4-5m ² /lt on smooth Surface 2-3m ² /lt on rough surfaces for OPR
No. Of Components	2
Mix Ratio	Mix complete kit
Pot Life	10-15 Minutes
Apply Over	Prepared concrete
Apply By	Nap Roller, squeegee or brush
Curing Time	6 Hours – re-coat 16 Hours – maximum recoat window
Thinner	Nil
Shelf Life	12 Months
Service Temperature	60°C wet/dry
Application Temperature Range	5°C to 35°C
VOC Content	15g/l