STONHARD

PRODUCT DATA

STONPRIME® 786 OPR

PRODUCT DESCRIPTION
Stonprime 786 OPR is a two-component, fast setting, solvent-free epoxy liquid primer designed to penetrate and wet out exposed aggregates in the prepared concrete surface.

USES:
A concrete primer which creates a bond line to reduce the absorption of overcoat liquids, and reduces the chances of blistering when used as a tie coat with broadcast aggregates. The short overcoat time allows for Stonchem linings to be installed within 6 hours.

PRODUCT ADVANTAGES:
- Enhances bond of epoxy systems to substrates
- Universal primer for flooring systems
- Low odour and quick setting
- Osmotic pressure resistant for decorative aggregate systems

PACKAGING & COVERAGE:
5lt Kit, Part A + B
Rough profile for OPR 2 to 3m²/litre/coat at 400 microns

SHELF LIFE:
24 Months if stored between 15 to 30°C.

STORAGE CONDITIONS:
Store all components of Stonprime 786 OPR between 16 and 32°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is one year in the original, unopened container.

TYPICAL PROPERTIES AT 25°C

Colour	Amber
Consistency	Liquid
Finish	Semi-gloss
Volume Solids	100%
Number of Components	2
Mix Ratio By volume (Base:Activator)	Mix complete kit
Pot Life	10 to 15 minutes
Apply Over	Prepared concrete
Apply By	Medium Pile Nap Roller
Curing Time	6 to 16 Hours – recoat 24 Hours – service 7 Days – full cure
Max. Service Temperature	50°C
Application Temperature Range	10 to 35°C
Chemical Resistance	Consult StonCor Technical Service
Compressive Strength (ASTM C-579)	60 MPa
Hardness (ASTM D-2240 Shore D)	85 to 90
Bond Strength (ASTM D-4541)	3.4 MPa (100% Concrete Failure)
Dew Point	Substrate to be 2°C above
VOC Content	15g/litre

NOTE: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory, values obtained on the field applied materials may vary.

PLACEMENT GUIDELINES

SCOPE OF WORK (BOQ):
Prepare surfaces and apply Stonprime 786 OPR at 400 microns to reduce the effect of osmotic pressure, inclusive of surface preparation and sand blinding.

SUBSTRATE PREPARATION:
Remove all oils, grease and other contaminants by scrubbing with Carboclean 252 and rinsing with clean running potable water to obtain a water break-free surface. Allow to dry. Abrade the surface by vacu-blasting or scarifying to remove the laitance, open all voids and expose the aggregate to a depth of 1 to 2mm. The roughened surface should be a dust-free, sound concrete surface with a portion of the main aggregate in the concrete exposed. A minimum tensile strength of 2 MPa and moisture content of less than 5% is required.

MIXING:
Empty the entire contents of the Base and Activator components into a clean and 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:
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 approximately 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. 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 extra epoxy mortar consisting of 1 litre Stonprime 786 mixed resin and a unit of Graded Aggregate # 622.

CURING:
Stonprime 786 must be fully cured prior to overlaying. The cure time is approximately 6 hours and it should be overcoated within 16 hours of curing.

RECOMMENDATIONS:
- DO NOT attempt to install material if temperature of components and substrate are not within 15 to 30°C. The cure time and application properties of the material are severely affected.
- DO NOT use water or steam in the vicinity of the application. Moisture can seriously affect the working time and other properties.
- Protect areas from dust and isolate access. Contamination between layers will affect final appearance.
- Avoid contact with all liquid Part A and B as they may cause skin and/or eye irritation. Workmen should cover hands with protective creams or rubber gloves and wear safety glasses.
- Use only with adequate ventilation.

NOTES:
- Procedures for maintenance of the flooring system during operation are described in "StonCor Cleaning Procedures".
- Specific information regarding chemical resistance is available in the Chemical Resistance Guide.
- Material Safety Data Sheets are available on request.
- A staff of technical service engineers is available to assist in installation or to answer questions related to our flooring products specifically or flooring problems in general.
- Requests for technical service or literature can be made through local sales representatives and offices, or corporate offices located throughout the world.