BCI BUILDING CHEMISTRY INDUSTRY

BCI PRIMER HP

Product Description:-

BCI Primer HP is a 100% reactive, solvent free, two component, multipurpose, medium viscosity, epoxy primer.

Basic Uses:

- Primer to concrete and epoxy substrates.
- Primer for Polyurea System and Polyurethane Coatings.
- Construction substrates with low and medium absorption.

Advantages:

- Excellent Bond Strength with concrete, steel and wooden substrates.
- Short Overcoat Interval for improved productivity.
- Easy Application.
- Medium Viscosity.

Technical Information:

Properties	Result
Chemical base	Epoxy
Appearance	Part-A Clear Liquid
	Part-B Brown Liquid
Specific gravity at 25°C	Part A – 1.10 +/- 0.02 Part B – 1.00 +/- 0.02
Solid Content by Volume and Weight	100%
Bond Strength (ASTM D 4541)	2 Mpa
Cure Time (Touch Dry)	1 hour to 3 hours
Pot Life	40 Minutes @ 25°C
Substrate Temperature	+5°C min./+40°C max.
Dew Point	Beware of condensation. The substrate and uncured applied floor material must be at at least +3°C above dew point to reduce the riskof condensation orblooming on the floor finish. Low temperatures and high humidity conditionsincrease the probability of blooming.

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

BCI BUILDING CHEMISTRY INDUSTRY

ISO 9001 QSCert | OHSAS 18001 QSCert | ISO 14001 QSCert

MIXING:

Add the Part B (hardener) into Part A (resin) and mix thoroughly for 2-3 minutes using a slow speed heavy duty drill fitted with a jiffy mixer (300-400 rpm). The epoxy must be well mixed to ensure proper chemical reaction.

Direction for Use Surface Preparation New Concrete:

New concrete should have cured until the shrinkage and moisture movement is low and possess an open, porous, and textured surface with all curing compounds and sealers removed. Laitance should be removed by light sand blasting or grinding where possible. Substrate should not give a hygrometer reading that exceeds 75% R.H. when it is tested for its moisture content in accordance with BS 8203 Appendix A. Acid etching can be utilized to remove light laitance followed by thorough washing with water. Ensure the complete removal of salt produced by acid etching prior to application. Vacuum cleaning is recommended. Allow to dry.

Old Concrete Floors:

Old concrete must be clean and well textured. All oil, dirt, debris, paint and unsound concrete must be removed. The surface should be prepared mechanically using a scabbler, bush hammer, shotblast, scarifier or similar equipment which will give surface profile commensurate with the application.

Acid Etching:

Acid Etching is acceptable only when mechanical preparation is impractical. It is recommended that only experience contractor in acid etching process use this means of surface preparation. The salt of the reaction must be thoroughly washed away. Allow the concrete to completely dry.

Note:

Even with proper procedures, an acid etched surface may not produce as strong a bond as produced by other preparation methods.

Repairs:

If repairs are necessary, used BCI REPAIR 100 for small and medium cracks and for wide and spalling areas. See TDS.

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

BCI BUILDING CHEMISTRY INDUSTRY

ISO QSCert 9001 OHSAS QSCert 18001 ISO QSCert 14001

Application:

This product can be applied by squeegee, roller, or industrial sprayer. After application, it is suggested that the coating be back rolled to reduce surface imperfections and improve bond. Ensure a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. Confirm primer waiting / overcoating time has been achieved before applying subsequent products.

- The surface that has been primed with BCI Primer HP should be added after 1-3 hours and not to exceed 6 hours.
- If for some reason the primer is allowed to totally cure to a hard glass-like finish, the surface should be sanded, cleaned and re- primed with another coat of BCI Primer HP before coating over with a polyurethane / polyurea coating.

Cleaning:

Clean all tools and application equipment with Polyactivator immediately after use. Hardened material can only be removed mechanically.

Safety Considerations:

Safety Data (SDS) sheets are available from the BCI Chemical industry. SDS sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS sheets are updated regularly, therefore, please request and review the most current SDS sheet before handling or using any product. These are available from the nearest BCI sales office.

Customer Notice:

BCI encourages its customers to review their applications of BCI products from the standpoint of human health and environmental quality. To help ensure that BCI products are not used in ways for which they were not intended or tested, BCI personnel are willing to assist in dealing with ecological and products safety consideration. Your BCI representative can arrange the proper contacts.

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

Storage:

BCI Primer HP has a shelf life of 12 months from date of manufacture.

Storage Conditions:

• Containers of this product should be kept properly closed and stored indoors in a well-ventilated area under normally factory conditions, at temperatures of 20-30°C.
• Storage at temperatures above 50°C is not recommended since this can increases the rate of viscosity increase on extended storage.

PACKING SIZE:

3BCI Primer HP is packed in 1 US Gallon Kit.

Coverage:

BCI Primer HP will cover approximately 6.67 m2 per liter at 150 microns thickness (DFT).
Note: The coverage rate of this product is dependent upon the concrete surface texture, the temperature of material and the concrete.

Precaution & Limitation:

• Discard any material over the pot life recommendations.
• Do not apply on substrates with rising moisture.
• For external applications, apply on a falling temperature. If applied during rising temperatures "pin holing" may occur from rising air. These pinholes can be closed after light grinding by applying a scratch coat of BCI Primer HP mixed with =3% of Xylene or BCI Solvent.