RenFlex 30 is a low viscosity, high solids epoxy developed as a penetrating concrete primer for polyurea applications. RenFlex 30 penetrates and strengthens the surface of the concrete, reduces pin-hole formations and provides a chemically reactive surface to accept polyurea systems. Adhesion is increased with the use of RenFlex 30 by up to three times that of unprimed concrete. Can be used with all quick curing polyurea sealants and spray systems. Designed for indoor and outdoor use. It can also be used as a wet surface primer. RenFlex 30 is designed for applications at ambient temperatures above 20 ° C.

TECHNICAL CHARACTERISTICS

TYPE

Primer epoxy sealant of low viscosity and high solids, bicomponent.

USAGE

Primer sealant for use in concrete surfaces, chemically aggressive environments, epoxy coatings, polyurethanes and polyurea.

TECHNICAL INFORMATIONS								
VOLUME SOLIDS	> 98%							
MIXING RATIO		Volume						
	Comp. A	1,0						
	Comp. B	1,0						
POT LIFE	1 h							
COVERAGE RATES (Gallon US)	Mils	10	15	50	6080	80	100	125
	Sq. Ft.	160	107	32	27	20	16	13
ADHESION TO CONCRETE	> 300 psi							
MOISTURE VAPOR EMISSION (MVE)						Applicable to floor applications		
	Concrete, MVE	10,6 - 10,9 lb/1000ft2 por 24 hours				1,25		
	Concrete, Humidity	> 87%				63%		
DRY TIME	18 -24 hours							
ABLE TO TOPCOAT	2 - 24 hours							
ENVIROMENTAL CONDITIONS	**Temperature**	Above 20°C						
	Relative Humidity	Between 30 and 85%						
	Dew Point	Surface temperature is at least 3°C above dew point						
APPLICATION	Depending on surface porosity, apply at 37 - 46 m² per gallon. Apply with brush, roller, notched trowel or squeegee. RenFlex 30 will take longer to dry when used at temperatures below 20°C.							

SURFACE PREPARATION	**Wood**	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants. Proceed sanding to increase the surface roughness.
	New Concret	Use a solution of muriatic acid at 10% to neutralize it. Then wash it with plenty of water; wait until it dries completely, and apply the product. The surface must be dry , free from any contaminants such as salts , oils, grease, dust , etc.All horizontal or vertical concrete or masonry surfaces should be abrasive blasted to achieve the appropriate CSP (Concrete Surface Profile) prior to application.
	Aged Concrect	The floor must be previously sanded or milled for leveling of the surface and elimination of possible contaminants. This product can be applied on a surface of new concrete wet or with less than 28 days of cure, but without the presence of puddles or accumulations of water. The surface must be dry, free of salts, oils, grease, grease, dust and other contaminants.
SHELL LIFE	12 months.	
UN NUMBER	**1263**	
HAZARD NUMBER	**33**	

IMPORTANT RECOMMENDATIONS

1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.

2.‘A’ & ‘B’ may be chilled prior to mixing in order to extend the actual working time. Combining ratio is 1 part ‘A’ to 1 part ‘B’. See mixing instructions on container. If using pigmented material, stir part ‘A’ well, bringing settled pigments up from bottom of container before adding part ‘B’. Proportion the amounts carefully and mix for 1 full minute using a wooden stir stick or low speed drill, scraping the bottom and sides of the mixing vessel. Incomplete homogenization will result in improper cure. Because of the speed of the reaction, mix small amounts and do not over mix.

3. Low temperatures increase curing time. For temperatures below 10 °C, consult our technical department.

4. Pot life is shortened by higher temperature and by the increase of catalyzed volume.

5. Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal l a w s .

6. If the recoating interval is exceeded, proceed with light sanding. For temperatures above that established, the overcoating interval will be reduced

8. Coatings based on epoxy resin have their own characteristics. Film is subject to changes in color, brightness, calcination and / or staining when exposed to weathering. These inherent characteristics of epoxy coatings will be potentiated when such products are exposed to homeless environments subject to condensation, high humidity and UV radiation prior to the specified curing time. It is important to stress that these changes are only aesthetic, not compromising the performance of the coatings.

SAFETY PRECAUTIONS

1. Improper use and handling of this product can be hazardous to health and cause fire or explosion. Do not use it without first taking all appropriate measures to prevent property damage and injuries.
2. Storage: keep the product in sheltered, well-ventilated areas. Maximum temperature: 40°C. Must not be directly exposed to the sun.
3. Flammable: flammable product, which must be kept distant from ignition sources, and do not smoke nearby.
4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.

5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or drink nor allow children and animals to be near the application area.

HEALTH HAZARDS

1. Skin contact: wash affected area thoroughly with neutral soap.

2. Clothing contact: remove clothing and wash it.

3. Leakage: Isolate the area, and do not smoke nearby. If large quantity leaked in confined area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust or soil, and transfer liquid and solid to separated recipients for disposal.

4. Fire: protect non-affected recipients with water spray. Extinguish fire using carbon dioxide, foam or dry chemical.
5. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes, and get medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).