BINA EF 6200

EPOXY FINISH

DESCRIPTION

BINA EF 6200 is a two pack, amine-adduct cured epoxy finish for use on steel and cement surfaces where chemical, oil and abrasion resistant coating is required. It is recommended for immersion and non-immersion services.

APPLICATIONS

If it is to be applied over steel, it has to be used in combination with appropriate primers as recommended.

If it is to be applied over concrete the surface should be acid- treated prior to application.

METHOD OF APPLICATION

SURFACE PREPARATION :
For steel structure, the surface must be primed with 1 coat of appropriate primer before application of BINA EF 6200. Primer recommended is red oxide primer. Primed areas which have been damaged should be reblasted, primed area again to the specified thickness before it is top-coated with BINA EF 6200.

For concrete, the surface must be treated with about 5% sulphuric acid solution until efflorescence has stopped. It should then washed thoroughly before coating with BINA EF 6200.

MIXING RATIO : 4 parts by volume of Base to 1 part by volume of Hardener. Base and Hardener to be mixed thoroughly and stirred continuously for 20 minutes before use.

APPLICATIONS METHODS : Brush, roller, compressed air spray and airless spray. Preferably use airless spray if a thicker coat is required is on application.

For coating over concrete, brush must be used for the 1st coat to ensure good penetration of the paint into the substrate.
Brush, roller, compressed air spray generally lead to lower film thickness, so more applications may be required to obtain the recommended thickness per coat.

GUIDING DATA FOR AIRLESS SPRAY :

Delivery Pressure	:	140-170 kg/cm^2
Tip Size	:	0.015"-0.017"
Spray Angle	:	60^o- 70^o

THINNING : Normally no thinning is required to improve workability, use 0.5% thinner by volume for application by brush, roller and air less spray, and 10%-15% thinner by volume for compressed air spray.

CURING TIME AT 25^{o}C-30^{o}C : Paint film thickness of 2 x 80 microns when dry, takes a minimum of about 6-7 days to attain full cure. For thicker flim, the curing time will be longer. In all cases, higher temperature will shorten and lower temperature will lengthen the curing time.
Exposure of the paint film to water, chemicals, and abrasion should be avoided as far as possible before it is fully cured.

QUALITY SYSTEM SIRIM
UKAS QUALITY MANAGEMENT 074
CERTIFIED TO ISO 9001 : 2000
CERT NO : AR 4425

PRODUCT DATA
PROTECTIVE COATING
Bina EF 6200

TECHNICAL SPECIFICATIONS

Finish	High Gloss
Colour	Green
Volume Solids	51.0 % (for mixture of Base and Hardener)
No. of Components	Two
Specific gravity	1.18 (for mixture of Base and Hardener)
Pot life	6-8 hours after mixing at 25 - 30˚C
Recommended film thickness per coat	50-80 microns for dry film 100-160 microns for wet film
Theoretical Coverage	10.0 m^2/litre @ 50 microns DFT 6.2 m^2/litre @ 80 microns DFT
Coverage with a loss factor of 20%	8.0 m^2/litre @ 50 microns DFT 5.0 m^2/litre @ 80 microns DFT
No. of coats recommended	1-3 coats
Drying Time, 25 - 30˚C	
Touch dry	2-3 hours
Overcoat dry	minimum 16 hours
Handle dry	16 hours
Packing Size	4 Liter base 1 Liter hardener

BINA® The Perfect Solution

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