SIGMA EPOXY SEALER 0654

Two sheet issue December 2000

DESCRIPTION	two component polyamide cured epoxy impregnating sealer for concrete floors
PRINCIPAL CHARACTERISTICS	- specially formulated to prevent dusting of the cement matrix on concrete floors - easy and economical to apply - improves abrasion and wear resistance of concrete - makes concrete floors non porous thereby giving resistance to oil, water, grease and mild chemicals - good wetting properties
COLOUR AND GLOSS	transparent/clear - eggshell
BASIC DATA AT 20 °C	(for mixed product)
Mass density	approx. 0.90 g/cm³
Solids content	approx. 23% by volume
Recommended dry film thickness	15 - 30 µm
Theoretical spreading rate	15.3 m²/ltr for 15 µm depending on the nature and condition of the substrate and the application method employed
Touch dry after	approx. 1 hours
Overcoating interval	min. 16 hours* max. 10 days*
Full cure after	7 days
Shelf life (cool, dry place)	at least 12 months
Flashpoint	base and hardener - 26 °C
RECOMMENDED SUBSTRATE CONDITIONS	- concrete must be dry and free from any contamination (max. 4% moisture content) - substrate imperfections can be filled with either 0897 Sigmarite WL Filler or 7493 Sigmarite Filler SF - sealer should not be applied at temperatures below 5 °C - substrate temperature should be at least 3 °C above the dew point

please turn

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INSTRUCTIONS FOR USE

- mixing ratio: by volume; base to hardener 75 : 25
- the temperature of the mixed base and hardener should be above 15 °C, otherwise extra solvent may be required to obtain the correct application viscosity
- too much solvent will result in lower sag resistance and slower cure
- thinner should only be added after proper mixing of the base and hardener
- use a soft brush or broom to apply the first coat in order to saturate the surface. First coat should be applied thinned 5% with 91-92 and allowed to dry thoroughly prior to application of the second and third coat. Roller application is acceptable for application of the second and third coats, with the sealer being applied unthinned.
- well trowelled, very dense surfaces such as vacuum dewatered concrete may only require two coats. The sealer should only be applied to sand/cement screeds which are not leaner than a 1 : 3 cement/sand ratio.

Induction time at 20 °C None

Pot life at 20 °C 6 hours*

BRUSH AND ROLLER

Recommended thinner Sigma thinner 91-92 (flashpoint 20 °C)

Volume of thinner 0 - 5%
to obtain optimal flow use Sigma thinner 91 - 99 (flash point 43 °C)

CLEANING SOLVENT Sigma thinner 90-53 (flashpoint 30 °C)

SAFETY PRECAUTIONS

see safety sheets 1430, 1431 and MSDS 0654 for information on LEL and TLV values

this is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes

Overcoating table

substrate temperature	10 °C	15 °C	20 °C	30 °C
minimum interval	48 hours	24 hours	16 hours	8 hours
maximum interval	21 days	14 days	10 days	7 days

surface should be dry and free from contamination

see sheet two

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Pot life
(at application viscosity)

Paint temperature	Pot life
15 °C	10 hours
20 °C	6 hours
25 °C	5 hours
30 °C	3 hours
35 °C	2 hours

REFERENCES explanation to product data sheets on information sheet 1411