

LINOFOG FIX

DAMAGE CONTROL LINOFOG FIX

For damages and non moving joints

Linofog Fix is a polyurethane based, 2-component material to be mixed with fine grain aggregate. Linofog Fix is developed to enable quick repairs with short open time and quick drying time of approx 2-3 hours. Linofog Fix is applied in thicknesses between 0-40 mm. Preferable, Linofog Fix should be used as repair material for smaller damages and unlevel nesses. Please find Linofog Fix chemical resistance and tests according to the below figures.

Acid:	10 % sulphuric acid 50 % phosphoric acid 50 % chromic acid	Animal:	fat protein blood
Alkali:	1 % caustic soda 1 % ammonia	Vegetable:	fat protein sugar
Salt:	NaCl Na ₂ CO ₉ 10 % NaHCO ₉	Oil:	crude oil light oil lamp oil machine oil (mineral)



The following tests have been run at the National Testing Institute in Japan (JIS)

Surface material	Tensile strength N/mm ²	Elasticity module N/mm ²	Max flexibility %
Linofog Fix	5,3	29,8	18
Epoxi	58,3	2,9	2,2

JIS sample size: 13 x 13 x 150 mm, span 100 mm, test speed 3 mm/min.

Adhesiveness (N/mra²):

Surface material	Primer	Steel	Stainless steel	Aluminium	Concrete
Linofog Fix	no	3,8	4,3	2,9	1,7
	yes	6,6	7,0	4,1	2,4
Epoxi	no	3,1	4,2	1,6	1,9
	yes	5,0	6,8	6,2	2,7

JIS K 6850 extension and scratch test.

Abrasion test:

Surface material	Revolutions	Wear result (abrasion)
Linofog Fix	400	low wear
	1000	0,1 mm
	1500	0,2 mm
Epoxi	400	2 mm heat deformation from the beginning

Laying instructions:

1. Make sure that the surface is free from dust and moisture.
2. Apply Linoprimer evenly over the surface.
3. Let the Linoprimer dry for approx 3 hours (based on temperatures + 14-18°C)
4. Mix 2,5 kg aggregate with 1,75 kg Linofog Fix Base. Add the 0,75 kg hardener, mix to a smooth mixture (empty the hardener can thoroughly).
5. Apply the mixture with a hand trowel.
6. Let it harden for approx 2 hours (based on temperatures between + 14 -18°C)
7. When more aesthetic demands are required, grind the joint with a fine grain sandpaper, first after 3-4 hours after application (based on temperatures between +14-18°C)

Consumption:

1 kg ready mixed material is enough for approx 1m² and 1,8mm thickness.

Packaging:

Linofog Fix base 1,75 kg, Linofog Fix hardener 0,75 kg, Linofog Fix aggregate 2,5 kg = 1 set/5 kg/3 lit = 1 m² and 9 mm thickness.

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