

TECHNICAL DATA SHEET

KEMAPOX FILL 1150

Flexible epoxy injection resin

PRODUCT DESCRIPTION

Low-viscosity, high-penetration epoxy resin for injecting and connecting of structural elements in construction.

Field of use

Use as well as for filling and sealing of various cracks. Possible application with low-pressure gun on vertical surfaces as well as surface sealing and re-attaching of substrates on horizontal surfaces. For inside and outside application.

Product properties

- Heat resistance: -30°C do +90°C
- Substrate moisture to 7 %
- High penetration
- Mix ratio, A:B=2:1 (by wt)
- Ready for foot traffic at 20°C after 12 hours

PRODUCT DATA

Basic information

Appearance	Resin
Packing	1 kg of component A + 0.5 kg of component B = 1.5 kg 2 kg of component A + 1 kg of component B = 3 kg 3 kg of component A + 1.5 kg of component B = 4.5 kg
Storage and expiration date	12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.

Technical data

Type of product	Epoxy resin with modified amino hardener	
Flexural strength	40 N/mm ²	
Compressive strength	70 N/mm ²	
Volume solids	96,5 %	
Volatility	3,5 %	
Minimum application temperature above the dewpoint temperature	min 3°C	
Density	1,05 g/ml (pri 23°C)	DIN EN ISO 2811-2
Viscosity	900 mPas	DIN 53018-1
Hardness according to Shore	75	DIN 53505-D
Adhesive strength to surface	> 3,5 N/mm ²	TP OS

INSTRUCTIONS FOR USE

Consumption

0,3-0,5 kg/m²

Base

The substrate must be fully cured, dry, stabile and free from cracks, dust, oil, lubricating oil and other soiling dirt.

Base preparation

Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, mechanical abrasion. If acid etching is used follow with abrasive or mechanical abrasion. Remove water and dust from all surfaces with an oil free blast, or vacuum, immediately prior to application.

Mix ratio

A:B=2:1 (by wt.)

Mix time

Recommended temperature of both components is around 15°C.
 Stir the Resin "A" and the Hardener "B" each separately in their original container before measuring and mixing the two together. Be careful to use separate stir sticks so not to cross contaminate. Pour "A" resin into your mixing bucket and then pour the "B" hardener into the mixing bucket. Always pour the "A" first and then the "B". Stir for 3 minutes, being sure to scrape the bottom and sides as you mix.

Mix tool

Drill mixer with suitable paddle.

Installation

On vertical surfaces with low-pressure gun, on horizontal surfaces as surface sealing and re-attaching of substrates.

Tool	Low pressure-gun, roller or trowel.
Curing and drying time	After it is hardened for about 12 hours at a temperature of 20°C, you may walk on the floor. After 48 hours, the floor covering will tolerate light mechanical traffic. After 7 days, the coating has practically reached its final mechanical resistance and its chemical stability. During this period neither water nor chemicals should come into contact with the floor. If this should occur, white or coloured streaks could appear on the surface. Should liquid be spilled on a new floor covering within the first seven days of its life, the surface should be wiped and dried immediately. In case of renovation, it is possible to work with accelerated systems which will reduce the working time considerably.
Cleaning of tool	Immediately after work with KEMAPOX SOLVENT.
Coagulation	Pot life at: 10°C is 60 minutes 23°C is 35 minutes 30°C is 15 minutes.
LIMITATIONS	
Base temperature	+8°C min./+30°C max.
Air temperature	+8°C min./+30°C max.
Material temperature	+8°C min./+30°C max.
Warnings	<ul style="list-style-type: none">• Protect freshly installed material from freezing, rain and other weather conditions. The material should not be used at (surface, air, material) temperatures lower than +8°C.• Maximum relative humidity: 80%.• Surface moisture content: 7 % (CM-method)• Store in dry places, protect from sun and freezing.• Substrate temperature must be at least 3°C above measured dew point.• Freshly applied product should be protected from dampness, condensation and water for at least 24 hours.
Recommendation: Remains of the unhardened/unset material have to be removed in accordance with the legislation.	
Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.	
Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.	
SAFETY DATA	Avoid direct contact with eyes and skin. Wearing chemical resistant goggles/gloves/clothing, collect spill. Ventilate area. In absence of adequate ventilation, use properly fitted NIOSH respirator. Sweep up spill and place in closed container. Dispose of in accordance with applicable local, state and federal environmental regulations. Strictly follow all handling, use and storage instructions.
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