



REESEAL IR1030

Injection Resin

Reeseal IR1030 is a very low viscosity epoxy resin injection system. It is suitable for sealing fine and coarse cracks in horizontal and vertical surfaces, using conventional equipment. The system possesses the following outstanding properties:

- High penetrating capacity on dry and wet inorganic substrates.
- Reliable through hardening even at near-zero temperatures.
- Resilience combined with high adhesive strength, which prevents subsequent cracking and undesirable creep after injection into the substrate.

Reeseal IR1030 can also be used for strengthening and restoring poorly compacted and low strength screeds, screeds that don't meet the required standard.

Please request information for method of application.

Reeseal IR1030 Resin

Reeseal IR1030 Resin is a low viscosity, moderately reactive, non-crystalline, liquid Bisphenol A-based epoxy resin.

Appearance	Pale Yellow liquid of low viscosity
Density at 20°C	[g/cm ³] 1.13
Gardner colour number [-]	max.3
Viscosity at 25°C	[mPa.s] ca.450
Epoxy Value	[eq/100g] 0.55-0.60
Epoxy equivalent	[g/eq] 167-178



Reeseal IR1030 Hardener

Reeseal IR1030 Hardener is a modified aliphatic polyamine used in combination with the above mentioned resin for so called Reeseal IR1030.

Appearance	Pale Yellow
Gardner colour number [-]	ca. 4-5
Viscosity at 25°C	[mPa.s] 5-12
H-equivalent	[g/eq] 46
Density at 20°C	[g/cm ³] 0.88

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Guide to Use

Resin	100Pts.wt
Hardener	30Pts.wt
Pot Life 100g, RT	ca.40 min
Exothermia 100g, RT	max.202°C
Viscosity of mixture [mPa.s]	ca.150

Mechanical Properties

Compressive strength ¹ according to DIN 53454	[N/mm ²]	ca.85
Compressive strain at rupture according to DIN 53454	[%]	ca.8
Flexural strength ¹ according to DIN 53452	[N/mm ²]	ca.90
Modulus in flexure according to DIN 53452	[N/mm ²]	ca.2700
Pull-off test for adhesion on dry and moist concrete ² According to ISO 4624	[N/mm ²]	3.6

¹ After curing for 14 days at room temperature.

² After curing for 4 weeks at room temperature, cohesion rupture in concrete.

Cleaning

All brushes, rollers, tools etc. should be cleaned with Reepol Thinners RC4 immediately after use.
For hands – soap and water.

Packaging

Pack size	5.00kg – approx. 5 Litres
Component A	3.4kg
Component B	1.6kg

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to our Information Data sheet reference TD300.

Health & Safety

It is recommended that barrier creams, gloves and protective clothing are used when using Reeseal IR1030. If eyes are affected wash with copious amounts of water and seek medical advice. For hands – wash with soap and water. For full details refer to C.H.I.P. data sheet.