

TECHNICAL DATASHEET

SMARTBLOK PU 2K INJECT GROUT

Polyurethane injection resin grout for
the elastic sealing of cracks in concrete structures



DESCRIPTION

- SmartBlok PU 2K INJECT GROUT is a two component solvent free, polyurethane system consisting of a resin component (SmartBlok PU 2k INJECT GROUT) and a special type of isocyanate (SmartBlok PU 2K INJECT GROUT)
- This system is ideally suitable for the elastic sealing of cracks in concrete surfaces as well as areas suffering from water leakage problems.
- The use of SmartBlok PU 2K INJECT GROUT as such is depending on the amount of water expected. In case the crack is dry or moist, the resin can be used directly into the crack
- If a leakage of water has to be stopped SmartBlok PU 2K INJECT GROUT could be used in combination with the SmartBlok PU 2K INJECT GROUT CAT. The latter will first stop the water and/or reach the water away, after which the injection of SmartBlok PU 2K INJECT GROUT can be carried out

AREA OF APPLICATIONS

- Sealing of cracks
- Sealing of pipe ducts, entry cables
- Live leakage location, defective concrete (creaked or honey combed)

BENEFITS

- Low viscosity significantly helping in deep penetration in tiny cracks
- Can be easily drilled and injected
- Flexible resin to withstand crack movements
- Permanent solution to water seepage
- Non-destructive water stoppage
- Eco-friendly

PACKSIZE

- Pack size is usually 16 kgs pack (10 kgs Part A and 6 kgs)

PHYSICAL PROPERTIES

PROPERTIES	Part A	Part B
Colour	Yellowish	Dark Brown
Density (g/cc)	1.040 ± 0.02	1.220 ± 0.02
Mixed Viscosity of the mixture at 30°C mPas	250 - 600 cps	250 - 600 cps
Mixing Ratio by volume	2	1
Potlife at 20°C (minutes)	150 minutes	150 minutes
Shore Hardness	40 A	40 A
Mixed Density (g/cc)	1.078	1.078

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SMARTBLOK PU 2K INJECT GROUT

JSW Cement

**Polyurethane injection grout as a resin for
the elastic sealing of cracks in concrete structures**



HEALTH PRECAUTIONS

SMARTBLOK PU 2K Inject Grout are non-toxic and non-flammable in nature. However, normal safety gadgets like goggles, gloves should be used while handling the material. Avoid breathing of vapours, prolonged contact with the skin, contact with open breaks in the skin and ingestion.

SHELFLIFE

Storage stability in well sealed drums. 12 months in original sealed drums. These materials are both temperature and moisture sensitive. Therefore, materials should be stored in an area with temperatures not exceeding 30°C or not lower than 10°C. All part used drums should be covered by nitrogen and re-sealed to prevent the ingress of moisture.

Disclaimer - JSW construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.

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