

X-Tite InjectionGrout PU200

Flexible polyurethane injection resin system

Product Description

X-Tite InjectionGrout PU200 is a two part solvent-free, low viscosity polyurethane resin system. When mixed in the proportions supplied reacts to form a tough, flexible resin. X-Tite InjectionGrout PU200 has good adhesion to concrete and masonry and when injected into cracks it allows movement without loss of bond.

Composition

X-Tite InjectionGrout PU200 is a two component system comprising a solvent free MDI based urethane pre-polymer and an amine based catalyst.

Advantages

- Low viscosity allows penetration into the finest cracks
- Formulated for hot climates / conditions
- Good adhesion to dry or moist substrate
- Flexible to withstand differential movement
- Tough to stand up to high hydrostatic pressures.

Uses

- For injecting into cracks in concrete or masonry, either wet or dry to form an elastic seal.
- When used in conjunction with X-Tite InjectionGrout PU100 provides an effective systems for crack sealing in wet conditions.

Laboratory Test Data

The following test were obtained at a temperature of 20C unless otherwise specified.

Property	Typical Results
Tensile strength (ASTM D638)	>2 MPa
Elongation at break (ASTM D638)	>60%
Pot life	30 mins at 35C
Reaction time	55 mins at 35C

Volatile Organic Content

VOC = 0g/L

Packaging

1 & 5 liters packs.

Shelf Life

6 months when stored at 20C if kept in a dry store in the original, unopened containers. Store in dry conditions in the original, unopened containers. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced to 2 to 3 months.

Installation Guidelines

The installation of this type of product must be carried out by experienced contractors. X-Tite InjectionGrout PU200 can be applied using either injection packers fixed into holes directly into the crack or drilled diagonally from concrete adjacent to the crack or by fixing surface mounted injection nipples. On a wide cracks or where a large flow of water is seen, X-Roc Waterplug should be considered for initial control of water.

Mixing

Thoroughly mix manually the entire hardener and base resin contents until the liquid becomes clear. X-Tite InjectionGrout PU200 should be used with standard injection equipment having closed containers. The injection pressure should be at least 0.4N/mm² (4 bar). Only mix sufficient resin that can be used within the pot life of the material.

Cleaning

Tools should be cleaned immediately after use, before the resin sets, using proprietary cleaner. Once the resin has set, it can only be removed by mechanical means.

Limitations

X-Tite InjectionGrout PU200 is only to be used in dry or damp concrete or masonry, if contact with running water is expected the associate product X-Tite InjectionGrout PU100 should be considered.

If any doubts arise concerning temperature, application or substrate conditions, consult the local NCC X-Calibur office.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Chemistry Inc. **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

Quality Statement

All Products manufactured by NCC X-CALIBUR or imported from X-CALIBUR companies world-wide are manufactured to procedures certified to conform the quality, environment, systems described in the ISO 14001:2004 , ISO 9001:2000.

