

Technical Data Sheet - TDS



RocSeal PU200

A Gun grade two component , polyurethane sealant

PRODUCT DESCRIPTION

RocSeal PU200 is a two component polyurethane sealant which, when mixed cures to form an elastic rubber. It gives excellent adhesion to glass, metals, concrete, masonry, wood and plastics and is capable of withstanding repeated extension and compression without loss of adhesion.

RocSeal PU200 gives outstanding resistance to deterioration by weathering, oils, hydrocarbons, fuel, water, ultra violet, ozone etc and remains unaffected by most alkalis and dilute acids.

APPLICATION AND USAGE

RocSeal PU200 is generally used for sealing joints in concrete paved areas, carriageways, factories, docks and airfield runways. It is particularly suited to expansion joints, compression joints, structural joints and joints in in-situ concrete.

ADVANTAGES

- ▶ Cold applied, non biodegradable
- ▶ Excellent chemical resistance to jet fuels & Skydrol
- ▶ High movement accommodation
- ▶ Excellent UV resistance
- ▶ Available in pouring grade
- ▶ Excellent adhesion to most surfaces
- ▶ Outstanding weathering resistance

TYPICAL PROPERTIES

Porous- Concrete surfaces should be clean and dry. Any loose particles should be removed with a wire brush followed by blowing out with compressed air. If the surfaces are heavily contaminated with mould release or curing agents, it may be necessary to mechanically abrade them.

Priming: Apply a single coat of primer by brush in accordance with the instructions on the tin. Allow the primer to dry for approximately 30 minutes. If sealant is not applied within a further 2 hours, re-priming will be necessary.

Joint Fillers: Where applicable, a joint filler should be

used to partially fill the joint in order to provide the correct depth of sealant. It is also necessary to provide a bond breaker between the filler and the sealant. A suitable material is closed cell cross-linked foam polyethylene strip. Joint arrises must be repaired using RocBuild NF.

Masking Tape: Masking tape may be used to improve the neatness of the finished seal by protecting the face edges of the joint. This should be removed immediately after the RocSeal PU200 has been applied.

Mixing: Stir the contents of Pack B and add to Pack A, use a slow speed electric mixer fitted with a suitable paddle to stir until a homogenous mix is obtained. Ensure that the mixing paddle is taken round the sides of the tin so that every particle of material is thoroughly mixed. A palette knife should be used to scrape round the inside of the tin to return any unmixed sealant to the mass of material.

Application: Minimum depth should be 10mm, in the ratio of 1:1. Pour or gun immediately into the primed joint. Keep the sealant between 3mm (summer) and 6mm (winter) below the wearing surface.

Tooling & Finishing: To obtain a smooth finish, tool the sealant with a spatula wet with diluted detergent. This breaks air bubbles and exposes any air pockets present whilst compressing the sealant and promoting adhesion to the joint sides.

TYPICAL PROPERTIES

Mixes Form	Thixotropic paste
Toxicity:	Non toxic.
Shore A Hardwss ASTM C661	25±0.5
Fresh Density:	1.40kg/m ³ ±0.05
Tack Free time	24Hrs
Movement Accomodation factor	25 %
Full cure	7 days

PACKING & STORAGE

RocSeal PU200 is available in Pouring Grade in 4 litre units. Shelf life will be 12 months when stored in shaded warehouses at less than 35°C.

HEALTH & SAFETY

RocSeal PU200 . Harmful by inhalation, if swallowed and in contact with skin. Wear suitable gloves and eye/face protection. Do not breathe fumes. Keep away from sources of ignition.seek immediate medical atten-

OTHER CONSTRUCTION, BUILDING & INTUMESCENT JOINT SEALANTS AVAILABLE FROM CIL.

- ▶ **RocSeal PU301-** a two component, gun and pouring grade, polysulphide expansion joint sealant.
- ▶ **CIL1200 Silicone-** Multi-purpose, high modulus, anti-fungus silicone sealant.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer? Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and CIL makes no claim that these tests or any other tests, accurately represent all environments.

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