

TufSeal 280

Heavy Duty Epoxyurethane Joint Sealant

Uses

For sealing internal floor joints subject to heavy industrial use in factories, food processing areas, warehouses and maintenance facilities. Particularly suitable for sawn joints in long strip flooring and other large internal areas

Typical Applications & Advantages

- Faster curing formulation with easier mixing and handling properties.
- Flexible, durable, long life with weather tight seal for both new construction and renovation projects in many types of buildings.
- Load bearing for support of arises under heavy wheel load.
- Good resistance to chemicals and hydrocarbon fuels.
- Suitable for use in wide joints in horizontal and vertical areas
- Excellent adhesion with out primer to dry clean concrete

Product Description

TufSeal 280 is a two part gun grade sealant is formulated from a blend of epoxy and urethane polymers supplied as Part A & Part B. The mixed sealant can be poured directly in to horizontal joints to form a tough resilient seal possessing a limited degree of flexibility.

Criteria for Application

Joints should be designed so that total movement due to concrete shrinkage and thermal change does not exceed the 10% movement accommodation factor related to the joint width. We would recommend that joints to be sealed with **TufSeal 280** are left till the final stages of construction when internal temperatures have stabilized and initial concrete shrinkage has taken place. The bulk of concrete shrinkage will take place with in the first 28 days therefore sealant works should be delayed for this minimum period.

Typical Properties

Specific gravity	: 1.3
Initial cure	: 24hours
Final cure	: 7days
Chemical resistant	: Excellent
Application temperature	: +5°C to + 50°C

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

Joint Preparation: Joint surfaces must be clean, dry and free from laitance dust or any other foreign matter. All dry residual dust from joint cutting operations should be completely removed using a rotary power brush, dry abrasive blasting or other approved means. Blow all joints clean using dry oil free compressed air.

When required, foam backing cord should be a firm closed cell grade. De bonding tape should be used in the base of all joints except where foam backing cord is used.

Where a neat finish is required, masking tape should be applied down each side of the joint prior to the start of the sealant works, it should be removed immediately after the sealant works are complete.

Priming: Priming is not normally required when using **TufSeal 280** in dry, sound, well prepared joints, or joints which have been reformed using a GIC resin based repair mortar. Where optimum adhesion is required use TufFlex PS Primer should be used.

Mixing: The components of **TufSeal 280** are supplied in the correct mixing ratio. Add the entire contents of Part B into Part A and mix together thoroughly for three minutes using a slow speed drill. Ensure any settlement is correctly dispersed. The sides of the container should then be scrapped down to ensure that any unmixed components do not remain. Mixing should then continue for a further 2 minutes to achieve a uniform color and consistency.





TufBond

Application: The mixed **TufSeal 280** can be applied to the joints using a spatula. Extrude the sealant firmly in to joint to ensure complete contact with joint faces. Smooth finish if necessary with a spatula wetted with a dilute detergent solution. The mixed material can also be poured in to a barrel gun and applied to the joint. For vertical application always use the gun.

Cleaning

Clean tools immediately after use with suitable GIC Solvent. Clean hands with a proprietary hand cleaner.

Packaging & Storage

TufSeal 280 is available in factory, pre-weighed units of 5 liters. It has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Coverage

Coverage depends on various factors like surface undulations, ambient conditions, application, techniques, etc. Typically a coverage rate of 15rm / pack of 5litre is possible.

Health & Safety Precautions

TufSeal 280 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

For further information refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

Rev: October 2007

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