

FLORFLEX

Product Codes

TF45, Packaging listed overleaf

Description

Florflex is a two part pouring grade sealant and flooring material formulated from a blend of epoxy and polyurethane polymers. The mixed material will self level and may be poured directly into horizontal joints. The cured material has limited movement accommodation and will support concrete, granolithic and polymer reinforced floor joint arises. The placed sealant is highly durable and is resistant to vibration, abrasive wear and to penetration of oils, greases and chemicals. The two pack system is pre-measured for easy on site mixing and is then placed by simple pouring **or floating**. No priming is required as Florflex develops excellent adhesion to prepared clean dry joint surfaces. The Florflex mix design is solvent free and there is minimal release of vapours during placing.

Mixed and placed colour is silver grey.

Uses include:

- Sealing floor joints to resist constant wear from fork-lift trucks and other heavy traffic
- Sealing floor joints in factory and warehouse environments
- Sealing floor joints in car parks
- Sealing joints in treatment tanks
- Chemically resistant self levelling finish for bund floors, engineering workshops and waste systems
- Protection against hydraulic and cutting oils

Specification Outline

Floor joint sealing shall be carried out using Florflex as manufactured by Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

Typical Sealant Properties @ 20°C

Cure Times

Light traffic 24 Hours
Moderate traffic 48 Hours
Full cure 7 Days

Useable Life 1 to 2 Hours

Hardness

after full cure 60 Shore D

Direct Shear Value 4.3 N/mm² (concrete failure)

Joint Sealant Application

Instructions for Use

Preparation

All contact surfaces must be sound, clean, dry and provide a good mechanical key. After cutting joints remove all loose material and slurry residues. For best results, light grit blasting is recommended.

Mixing

The Florflex base component is supplied in a container which is large enough to receive the hardener component and act as the mixing vessel. Pour all of the hardener component into the base resin container and mix using a slow speed drill with a Grout Stirrer. Only use complete packs. Mix for two minutes followed by scraping down the sides of the container. Continue mixing for a further three minutes to ensure complete dispersion of the hardener.

Placing

The mixed material may be poured directly into the prepared joints. The base of the joint should be lined with a debonding tape to prevent the sealant adhering to the basal area which could reduce the efficiency of the sealant under movement. For deep cut joints, where it may be desirable to reduce the depth of the joint, a foam backing strip should be inserted into the lower part of the joint. The placed material will self level and after a few minutes it may be necessary to top up the filled joint. Tools and mixing equipment should be cleaned with Solvent before the Florflex has started to cure. Florflex may be placed at temperatures between 10°C and 35°C. For placing at temperatures outside this range contact The Technical Service Department.

Joint Design

Sealant Placing

Joints should be designed such that concrete movement does not put undue stress on the seal. For new works most of the shrinkage movement will take place over the first 28 days and sealing is best left until after this period. If earlier sealing is necessary a wider joint profile is recommended.

Joint Dimensions

Joint Width (mm)	Sealant Depth (mm)
6 to 12	Equal to width
12 to 25	12 to 20
Over 25	³ / ₄ of width



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



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Coatings



Waterproofing



Ground Engineering

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FLORFLEX

Self Levelling Floor Application

Instructions For Use

Preparation

All contact surfaces should be sound clean dry and provide good mechanical key. For best results light grit blasting is recommended to produce a maximum texture profile of 1mm.

Mixing

Mix the two component product as in "joint sealant" given above

Placing

Tape up an area equivalent to not more than 3.9m². (see table below)

Pour the mixed material over the horizontal surface. Use a clean, dust free float to spread the mixed Florflex within the taped area.

Using a spiked roller, wearing spiked shoes alternatively using a "bed of nails" release any entrapped air from within the Florflex material surface prior to the Florflex setting.

For critical "walk-on" situations in wet conditions, calcined bauxite may be broadcast over the Florflex surface within one hour of placing. (time of broadcasting calcined bauxite is temperature dependant)

Curing

No special curing techniques are required.

Usage Per 5kg unit

Area to cover	m ²	3.90	3.00	2.50	2.00
Application Thickness (nominal)	mm	1.00	1.30	1.56	1.95

Precautions

Health and Safety

Florflex is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours.

If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent.

Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.

If swallowed do not induce vomiting. Seek medical advice immediately.

Full health and safety data are given in Product Safety Data Sheet

Fire

Florflex is classified as non flammable. Under prolonged fire conditions the product will be ignited.

Solvent is classified as flammable. Should fire occur, extinguish with CO₂ or foam.

Yield

Florflex is packed in 3.9 litre units.

The quantity of mixed material required to fill a joint of dimensions:

Joint Width A(cm)

Sealant Depth B (cm)

Length of Joint C (m)

$$\text{Required volume} = \frac{A \times B \times C}{10} \text{ litres}$$

Storage And Shelf Life

Florflex will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures or high humidity may reduce the shelf life.

Packaging And Ordering

Florflex is supplied in:

3.9 litre Combined Units Product Code TF45

Solvent is supplied in:

5litre cans Product Code

TM02

1litre cans Product Code

TM08

For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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