

Expoflex 800



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Expoflex 800
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Tough epoxy PU sealant

Uses

Expoflex 800 is suitable for sealing joints in floors where resistance to abrasion or chemical spillage is required.

- Factory floors
- Shopping centres
- Warehouses and distribution depots

Advantages

- Cures to a tough seal
- Abrasion resistant
- Withstands vehicular traffic
- Suitable for horizontal and vertical joints
- Resistant to chemical, fuel and oil spillage
- Easily installed to give a flush finish

Description

Expoflex 800 is a two-component elastomeric sealant for limited movement joints. After mixing, the resultant compound will cure to provide an exceptionally robust seal, while retaining a degree of flexibility. Expoflex 800 is abrasion resistant and withstands spillage of fuel oils, mineral acids and vegetable oils.

Design criteria

Joint size: Expoflex 800 may be applied to joints between 5 and 50 mm wide. In joints 25 mm wide or less, where the seal is supported by a solid backing, i.e. concrete, grano, etc., a minimum depth of seal of 15 mm is required. If, however, a resilient filler provides the backing, the minimum depth of seal should be 20 mm in order to provide an adequate bond area. For wider joints, a square cross-section is preferable. Sealing slot widths should be designed in accordance with the recommendations of BS 6093.

Surfaces to be sealed with Expoflex 800 do not normally require priming, except surfaces which are to be subject to water immersion. In these cases primer should be used. Note that if the joints are to be sealed before the temperature conditions in a building become fairly static, i.e. when joint movement will be limited, it will be necessary either to fill the joints temporarily or to provide additional joints with a more flexible sealant such as Thioflex 600.

Properties

Expoflex 800

Form:	Two-part compound Base: White paste Curing agent: Grey paste
Colour:	Light grey
MAF (BS 6093):	10% for butt joints
Cure:	Chemical cure
Pot life:	1 hour at 25°C
Trafficking time:	24 hours at 20°C: light traffic 48 hours at 20°C: heavy traffic
Application temperature:	To avoid prolonged cure time apply Expoflex 800 above 5°C
Hardness Shore 'A':	65 to 80
Chemical resistance to occasional spillage:	Resistant to alcohols, alkalis, mineral oil, hot detergent solution, 60% live steam, 25% mineral acids, vegetable oils and kerosene
UV resistance:	Some surface discolouration and slight surface hardening
Solids content:	100%
Density:	1.4 g/cm ³
Flash point:	Over 65°C

Maintenance

No special requirement, damage should be repaired if and when it occurs. Note: The frequent or regular use of chlorine based cleaners and some industrial/commercial floor cleaning agents may cause colour changes to the surface of cured Expoflex 800.

Application instructions

Preparation

Joint surfaces shall be clean, dry and free from contamination. Any voids or gaps at the base of the sealing slot should be filled and a suitable bond breaker should be pushed into construction and contraction joint slots.

Priming

Where priming is necessary, sealing slot walls should be primed using Fosroc Primer 13X. Decant the entire contents of primer curing agent into the primer base and stir thoroughly until mixed. Apply the primer using a clean dry paint brush working well in to ensure complete coverage. Allow to dry for 30 minutes prior to application of the sealant. If the primer coating is left for more than 2 hours, re-prime.



Mixing

In cold weather Expoflex 800 mixes more easily if stored overnight at room temperature. Transfer the contents of the small tin into the base tin and mix thoroughly using a slow speed drill (300 to 500 rpm) fitted with a Fosroc Paddle Stirrer until a uniform colour is achieved throughout. After mixing, Expoflex 800 may be applied directly into the joint using a Fosroc 'G' Gun.

Cleaning

Clean equipment immediately after use with Fosroc Equipment Cleaner. Remove mixed Expoflex 800 from the hands with 'Keroclense 22', 'Swarfega' or similar industrial hand cleanser.

Estimating

Expoflex 800 is supplied in 2 litre tins in cartons of two.

Guide to quantities

Joint size w x d in mm	Litres per metre run	Metre run per 2.0 litre pack
5 x 15	0.075	26.67
5 x 20	0.100	20.00
10 x 15	0.150	13.33
20 x 10	0.200	10.00
20 x 15	0.300	6.67
20 x 25	0.500	4.00
25 x 25	0.625	3.20
30 x 25	0.750	2.67
30 x 30	0.900	2.22
40 x 25	1.000	2.00
40 x 40	1.600	1.25
50 x 25	1.250	1.60
50 x 50	2.500	0.80

1 No 200 ml tin of Fosroc Primer 13X required for 3 tins of Expoflex 800.

These are theoretical yields. No allowance has been made for variations in joint width or wastage.

Storage

Storage life of 12 months in original containers when kept in dry conditions between 5°C and 27°C.

Precautions

Health and safety

Expoflex 800: Contains resins which may cause sensitisation by skin contact. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/ face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream, followed by soap and water. Do Not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately — **do not** induce vomiting.

For additional information see relevant Product Safety Data Sheet.



Fosroc Limited

Coleshill Road
Tamworth
Staffordshire B78 3TL
Tel 01827 262222
Fax 01827 262444
www.FosrocUK.com

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