

Flexible chemically resistant membrane FOSROC PROOFEX ENGAGE

Corrosion-resistant preventive watertight membrane

1. Product characteristics

Water and gas-resistant membrane for protection and surface finishing of concrete surfaces, concrete foundations, elevator shafts, sinks, tanks and other building constructions exposed to water.

- unique mesh system bonds permanently to concrete
- deformation and concrete settlement does not damage the membrane
- special anti-tracking design prevents water tracking between membrane and concrete
- simple and quick to install – requires no special knowledge or protection, blinding concrete may be eliminated
- protection against methane, radon and CO₂
- protects concrete from attack from chemicals, hydrocarbons and aggressive ground salts in contaminated areas.
- membrane composition gives excellent flexibility
- approved according to Act No. 258/2000 Coll. and Ministry of Health Decree No. 409/2005 Coll. as eligible for direct contact with drinking water

2. Use

FOSROC PROOFEX ENGAGE is a special patented waterproof membrane system comprising a cell mesh bonded to a blended polyethylene/polypropylene membrane which allows poured concrete to interlock, forming a tenacious mechanical bond. **FOSROC PROOFEX ENGAGE** provides water, water vapor and gas protection to water excluding structures and protects concrete from aggressive ground salts, chemicals and hydrocarbons. It is supplied with a self-adhesive selvedge along one side of the roll to provide sealed laps and a comprehensive range of auxiliary products to simplify the application. If necessary, the membrane can be installed on a concrete surface additionally.

3. Physical and mechanical parameters

Color	Non-standard grey
Water-tightness	complies to overpressure of 120 m of water column
Water vapor permeability (m)	$\mu = 580000$ Sd = 400
Methane permeability (m ² /s/Pa)	1.33×10^{-17}
CO ₂ permeability (m ² /s/Pa)	$< 5.12 \times 10^{-13}$

4. Test certificates

Independently certified performance, BBA certificate (No. 03/4042).

Supervision of the quality system, EMS and OHSAS is carried out by Notified Body No. 1020.

5. Instruction for preparation and application

Application instructions for **FOSROC PROOFEX ENGAGE** are in detail described in a special technological procedure sheet of BETOSAN s.r.o.

6. Packing and storage

Roll size: 1.27 m x 30 m, Coverage: 38.10 m², Roll weight: 58 kg.

Rolls must be stored in a flat position. Bending or deformation of the roll must be prevented. Store in original unopened packaging, in dry and cool conditions, away from sunlight.

7. Health protection at work

Working with **FOSROC PROOFEX ENGAGE** waterproof membrane does not require any extraordinary hygienic precautions.

8. Important notice

All information mentioned above, especially advice for processing and application of our products is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral rec-

ommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove, that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received are orders subject to our current "General sales and delivery conditions ". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at www.betosan.cz

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