

# Polycoat FBR

## Fiber Reinforced Bitumen Paint

Bitumen emulsion based protective coating.

### CHARACTERISTICS

- ▶ Excellent resistance to the attack of salts present in underground water, dilute acids, alkalis, chlorides and sulphate ions.
- ▶ Good adhesion to most surfaces, like concrete, metal, wood, cork.
- ▶ Cold applied
- ▶ Easy to apply.
- ▶ Can be applied on damp substrates.
- ▶ Asbestos Free.
- ▶ Versatile
- ▶ Non-flammable.
- ▶ Economical
- ▶ Conforms to ASTM D 1227, BS 8102:1990 and BS 3416: 1991: Type 2

### DESCRIPTION

POLYCOAT FBR is a high build bitumen emulsion based protective coating, manufactured to comply with ASTM D 1227 Type II, Class 1. It is a blend of carefully selected bitumen and non-asbestos fibres. The coating is dark brown in color, which dries to form a tough black flexible film. The system complies with the requirements of BS 8102:1990.

### APPLICATION INSTRUCTIONS

#### Surface preparation

Ensure that all surfaces that are to be treated are sound and free from oil, grease, cement laitance and loosely adhering particles. If required light mechanical grinding or wire brushing is recommended.

#### Priming

All surfaces are to be primed with POLYCOAT WB prior to the application of POLYCOAT FBR, as this will assist brushing and rolling of the heavier bodied product and will ensure a more readily achieved even coverage. The primer can be applied by brush, roller or squeegee. Allow the primer to dry before any further coats are applied. However, if the primer coat is left open for more than 24 hours after it becomes dry, clean the surface of any settled dust and apply a fresh coat



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of the primer.

#### Application

Thoroughly mix the contents of the drum so that the fibres are uniformly dispersed in the coating and there is no settlement due to storage. POLYCOAT FBR can be applied by brush or trowel. Application of 2 coats @ 1lt./m<sup>2</sup>/coat will give a total Dry Film Thickness of 1mm. The second coat should be applied only after the first coat has dried completely.

The coating shall be protected from ongoing site activities and during backfilling from getting damaged by a 150 micron polyethylene sheet. The coating shall be protected with BITUBOARD protection boards in areas where coarse backfill aggregates will be used.

#### Roofing Application

Use a reinforcing scrim at up stands and around pipe works. The scrim is to be embedded into the POLYCOAT FBR coating and then another coat is to be given on top of it. The area coated with POLYCOAT FBR shall be temporarily protected from mechanical abrasion using a suitable protection. The coated surface should be covered by an aluminum/solar reflective paint or a screed after it has fully dried-off.

## STORAGE & SHELF LIFE

It should be stored in dry & shaded areas and out of direct sunlight. The shelf life is 12 months. Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

## HEALTH & SAFETY

As with all bitumen products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. (See packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting. Call for medical assistance immediately. Ensure that the container is available for the medical attendant to examine any relevant instructions or content details.

## SUPPLY

Polycoat FBR 15L pail & 200L drum

## TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Density, [g/cc]	1.08 ±0.05	ASTM D 2939
Solid content, [%]	50±5	ASTM D 2939
Flexibility	Pass	BS 3416
Firm set, [hours]	24	ASTM D 2939
Application temperature, [°C]	5 to 55	-
Service temp, [°C]	-10 to 75	-
Chemical Resistance	Sea water, dilute acid,alkalis, chlorides & sulphate ions	

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.



Henkel Polybit Industries Ltd.; PO Box: 293, Umm Al Quwain, UAE  
Tel: +971(6)76 70 777; Fax: +971(6)76 70 197; henkelpolybit@henkel.com  
Henkel Polybit Industries Ltd.; PO Box: 5911, Dammam-31432, KSA  
Tel: +96613808 4061 / 62, Fax: +966 13 812 1164; polybitdammam@henkel.com  
www.henkelpolybit.com

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