

Polycoat RBE 5

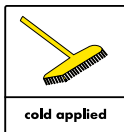
SBS modified bituminous coating

Tough and flexible vapor proof protective coating.



CHARACTERISTICS

- ▶ Cold applied.
- ▶ Single component, easy to apply.
- ▶ Can be applied on damp substrates.
- ▶ Asbestos free, odorless. Can be applied in closed or confined spaces.
- ▶ Environmentally friendly. Low VOC.
- ▶ Resistant against chloride and sulphate ions.
- ▶ Has good adhesion to most building substrates.
- ▶ Seamless/joint free.



DESCRIPTION

Polycoat RBE 5 is rubber modified bitumen emulsion coating, which dries to form a tough, seamless, flexible vapor proof protective coating.

FIELDS OF APPLICATION

Polycoat RBE 5 is used as a protective coating for cladding works to prevent infiltration of vapour and moisture into the building structure.

APPLICATION

Application procedures may vary slightly depending upon site conditions. The general recommended guideline for the application of the bitumen coating system is as follows:

Surface preparation

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil, grease. Light mechanical grinding/grit blasting/high pressure water jet may be used to clean the surface of all the contaminants depending on the degree of contamination on the surface to be coated.

All surface imperfections and protrusions shall be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable concrete repair mortar.



TDS_Polycoat RBE 5_GCC_0519

1

Priming

It is highly recommended to apply a priming coat prior to the application of the Polycoat RBE 5 coating on the substrate. The primer can be prepared in the site by diluting Polycoat RBE 5 with 20% water and applying this diluted coat as the primer. For very dry and porous substrates apply two coats of this primer. The primer can be applied to damp or freshly cast concrete surfaces also. However, it should not be applied on waterlogged or flowing water areas. Further coats shall be applied only after the primer coat dries off completely. In case of delay in application of the top coat for more than 24 hours, a fresh coat of primer shall be re-applied.

Application

Stir the contents of the drum thoroughly before application to remove all sediments. Depending on the dry film thickness required, apply the rubberized bitumen coating @1–4m²/L/coat. On vertical areas, it is recommended to apply the coating in multiple layers in order to avoid sagging of the heavy bodied coating. Subsequent coats shall be applied only after the previous coat dries off completely and shall be applied at right angles to the previous coat. Clean dry sand may be broadcasted onto the wet coating to provide a key for the subsequent coats

and achieve a greater dry film thickness. Care shall be taken to ensure that the first coat is not punctured during the application of the second coat. However, if the coating is damaged, the area can be readily over coated provided the surface preparation is done properly.

COVERAGE

Coverage rate will depend on the porosity of the substrate. The following coverage rates can be expected when the coating applied at different coverage rates:

- i. 4 m²/L/coat: 0.1mm DFT
- ii. 2m²/L/coat: 0.2mm DFT

CLEANING

Clean all tools immediately after use with clean water. Hardened material can be cleaned with a solvent.

STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperatures. Shelf life is up to 12 months in un-opened condition and when stored as per recommendations. 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. 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 help immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

SUPPLY

Polycoat RBE 5 200L drums

TECHNICAL PROPERTIES

| PROPERTIES | VALUES | TEST STANDARDS |
|-----------------------------------|----------------------------|-------------------|
| Color | Dark brown | - |
| Form | Thixotropic viscous liquid | - |
| Density @25°C, [g/cc] | 1.0±0.05 | ASTM D 1475 |
| Solid content, [% by wt] | 35±3 % | ASTM D 2939 |
| Rubber content on dried film, [%] | 3 | ASTM D 1644 |
| Drying time @25°C [mins] | 60 | - |
| Application temperature, [°C] | 5 to 55 | - |
| Service temperature, [°C] | -5 to 75 | - |
| VOC [g/L] | <50 | ASTM D3960/ D2369 |

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.

