

Polytex R

Acrylic waterproofing coating

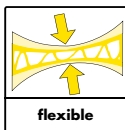
Single component, water based acrylic waterproofing coating cure to form a flexible elastic waterproofing membrane.

CHARACTERISTICS

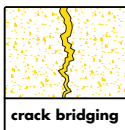
- ▶ Ease of application directly from container
- ▶ High elasticity & recovery
- ▶ Excellent adhesion strength
- ▶ Designed for use in hot and humid climates in tropical countries



waterproofing



flexible



crack bridging

DESCRIPTION

Single component acrylic-water based waterproofing coating cure to form a flexible elastic waterproofing membrane.

APPLICATION INSTRUCTIONS

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the coating is as follows:

Surface preparation

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections, protrusions, structurally unsound and friable concrete must be removed and repaired with a suitable Polycrete* concrete repair mortar.

Priming

Polytex R does not require priming and can directly be applied onto the concrete surface. In case of highly porous surface, a priming coat is recommended to seal the pores and stabilize the surface. The primer coat can be prepared at site by diluting 1 part of Polytex R to 1 part of water and can be applied @ 5-6 m²/L and allowed to dry.

Mixing

Polytex R is a single component product but stir the contents of the pail thoroughly prior to application to remove any sediment. A slow speed drill and suitable paddle mixer may be used to avoid the formation of air bubbles.

Application



The coating can be applied with a brush, roller or airless spray and shall be applied in 2 to 3 coats as per the requirement. The 1st coat shall be applied at a coverage rate of 1 to 2 m²/L and allowed to dry completely before the next coat is applied. Subsequent coats shall be applied in cross direction to the previous coats. The coating will achieve its full strength after a curing period of 7 days.

CLEANING & DISPOSAL

Clean all the tools with water after use. Hardened materials can be removed mechanically only. Use licensed waste disposal contractor and consult the local authorities when disposing.

STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate, the product must be stored in air - conditioned environment (<25°C). The product is best performing when consumed within 12 months from manufacturing if stored as per the recommendations.

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Color	Grey, White, Black	-
Density, [g/cc]	1.35±0.05	ASTM D 1475
Solids content by weight, [%]	>65	ASTM D 1644
Tensile strength, [N/mm ²]	>1.5	ASTM D 638
Elongation, [%]	>700	ASTM D 638
Shore A hardness @ 7 days	55 - 65	ASTM D 2240
Hydrostatic pressure @ 5bar	No leakage	BS EN 12390 Part 8
Crack bridging ability, [mm]	>1.5	ASTM C 836
pH value	9.5 - 10	-
Minimum thickness recommended, [mm]	1 to 1.5	-
Re-coat interval @35°C, hours	3 - 4	-
Full Cure @ 35°C, [days]	7	-
Application temperature, [°C]	+5 to +45	-
Service temperature, [°C]	+5 to +70	-

All values given are subject to 5-10% variation

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

Phone: +971 (6) 76 70 777; Fax: +971 (6) 76 70 197

henkelpolybit@henkel.com; www.henkelpolybit.com

Quality for Professionals