

Rooffite C10

Liquid applied waterproofing and protective coating

Hybrid Polyurethane modified with specially selected polymers to form a tough, flexible and durable coating for concrete structures

CHARACTERISTICS

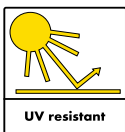
- ▶ Forms a highly elastomeric, tough and resilient membrane.
- ▶ Environmentally friendly.
- ▶ Low VOC
- ▶ Pitch free.
- ▶ Single component.
- ▶ Easy to apply.
- ▶ High tensile strength & elongation
- ▶ Excellent crack bridging properties.
- ▶ Excellent UV resistance & weatherability.
- ▶ Excellent resistance to water and vapour.



waterproofing



one component



UV resistant

DESCRIPTION

Liquid applied waterproofing and protective coating with specially selected polymers to form a tough, flexible and durable coating for concrete roofs with excellent UV resistance & weatherability.

FIELDS OF APPLICATION

- buildings and Villas
- RCC/ Inverted Roofs
- metal roofs
- accessible roofs

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 waterproofing system is as follows:

Surface preparation

All the surfaces must be cleaned and made free of dust, dirt, moss, oil, grease and other loose particles. This can be achieved by grit/sand/shot blasting. As a minimum, vigorous wire brushing should be employed. All pin holes and surface defects shall be repaired with a suitable Polycrrete concrete repair mortar.

Priming

A priming coat is recommended to seal the pores and stabilize the surface. The primer coat can be produced on site by



TDS_Rooffite C10_GCC_0823

1

diluting Polythane P 1 to 1 with water. Apply the primer coat @ 5m²/L and allow to dry.

Mixing

Polythane P is a single component product but mix the contents of the pail thoroughly prior to application to remove any sediment. A slow speed drill and suitable paddle mixer shall 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 a minimum of 2 coats. The 1st coat shall be allowed to dry completely before the 2nd coat is applied. The 2nd coat shall be applied cross wise to the first coat. The coating will achieve its full strength after a curing period of 7 days.

Corner detailing

It is recommended to reinforce all corners and pipe penetrations with Watertite CL 252 sealing strip. The sealing strip shall be embedded into the first coat whilst it is still wet and covered fully with the second coat.

COVERAGE

0.8L/m²/coat for 1.5mm DFT in 3 coats.

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 shelf life is up to 12 months in unopened conditions if stored as per the recommendations.

HEALTH & SAFETY

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall 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, but call for medical assistance immediately.

SUPPLY

	Packing	Unit
Polythane P	20L	Pail
Watertite CL 252	100mm x 50m	Roll

TECHNICAL SPECIFICATION - SYSTEM

PROPERTIES	VALUES	TEST STANDARDS
Form	Viscous liquid	-
Density, [g/cc]	1.25±0.05	ASTM D 1475
Solid content, [%]	63±3	ASTM D 1644
VOC, [g/L]	<20	ASTM D 3960
Tensile strength, [N/mm ²]	>2	ASTM D 412
Elongation, [%]	>500	ASTM D 412
Crack bridging ability, [mm]	1.5	ASTM C 836
Low temperature flexibility, [°C]	-15	ASTM D 5147
Hydrostatic pressure @ 5 bar	No leakage	BS EN 12390

All values given are subject to 5-20% 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.