

ULTRALASTIC UL-920



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PRODUCT DESCRIPTION

ULTRALASTIC UL-920 is a two component waterproofing mortar based on resin modified cementitious material for concrete and plaster surfaces. It is applied to concrete and mortar to prevent water infiltration. This product is designed for a ready to use mixture and acting as an effective solution for your waterproofing needs.

FIELDS OF APPLICATION

- Bathroom floors
- Terrace and balconies
- Fish pond, swimming pools and potable concrete water tanks
- Planter box

ADVANTAGES

- Excellent waterproofing effect
- Non toxic, environmentally friendly.
- Good adhesion to concrete, prepared substrates
- Protect against concrete carbonation and water penetration.
- Easy to apply with trowel or brush.

TECHNICAL DATA

Type	: Two components cementitious waterproofing
Color	:
• Drymix	: Grey powder
• Liquid	: milky liquid
Solid by volume (mixture)	: 71 ± 1 %
Specific gravity (mixture)	: 1.44 ± 0.04 g/cc
Material consumption	: 2 kg-set/m ² for 900 mic DFT
Drying time(30°C)	:
• Surface dry	: 2-3 hours
• Hard dry	: 8 hours
• Full cure	: 7 days
Packaging	: 5 and 25 kg-set
Storage stability	: One year for liquid and 6 months for dymix, in a closed and dry room storage, and in original packaging
Mix ratio	: A comp. : B comp.(drymix : liquid) = 4 : 1 weight
Pot life (30°C)	: 30 – 60 minutes
Application method	: Rollerm brush, trowel
Re-coating interval (30°C)	: minimum 2 hours
Application temperature	: 25 - 35°C
Maximum humidity	: 80 % RH

SPECIFICATION ACCORDING TO SNI 8665:2018

No	Item Test	Test method	Unit	Test result	Requirement
1	Pull-off adhesion test	ASTM D4541	MPa	± 2	Min. 1
2	Elongation at break	ASTM D2370	%	± 30	Min. 300
3	Tensile strength	ASTM D2370	MPa	± 1.3	Min. 1.2
4	Water vapour permeability	ASTM D1653	kg/det.m ² .Pa	± 10x10 ⁻¹⁰	17.2x10 ⁻¹⁰
5	Water absorption	ASTM D471	% weight	± 7	Max. 20
6	Accelerated weathering test, 500 hours	ASTM D4798	-	No crack	No crack
7	Bending test after accelerated weathering test 500 hours	ASTM D522	-	-	No crack

APPLICATION INSTRUCTIONS

SUBSTRATE REQUIREMENT

Age of concrete must be more than 28 days. The surface to be coated must be clean from dust, dirt, oil, grease and loose material with appropriate method.

SURFACE PREPARATION

The substrate must be prepared by suitable mechanical preparation techniques such as high pressure water jetting, needle guns, blast cleaning, scabblers, etc and properly pre-wetted to a saturated surface dry condition.

All intersections of horizontal and vertical surface should be profiled with a mortar fillet of 25 mm x 25 mm.

APPLICATION PROCEDURE

Fuction	Product and tools	Coating amount	Curing time
Mixing	: Use a low speed electrical stirrer/mixer for mix one full set of Ultralastic UL-920 (comp. A : comp. B = 4 : 1 w/w) for at least 2 minutes until the mixture is homogeneous.		
1 st coat	: Apply Ultralastic UL-920 that has been mixed by pouring it on the substrate and spread the mixed material using trowel, brush or roller.	2 kg-set/m ² (900 microns DFT)	2 hours

2nd coat : After minimum 2 hours of 1st coat application (at 30°C and have adequate ventilation during drying time), apply Ultralastic UL-920 that has been mixed by pouring it on the 1st coat and spread the mixed material using trowel, brush, roller on the opposite direction from the 1st coat.

2 kg-set/m²
(900 microns DFT)

7 days

Note Avoid contact with water/ rainwater before UL-920 full cure.
Avoid contact with direct sunlight to UL-920 coating, must be coated with screed or another coating that has good weatherproof.

CLEANING TOOLS

All tools and equipment should be cleaned with water, rinse again with clean water immediately after use. Hardened material can only be removed mechanically.

SAFETY PRECAUTIONS

Ultralastic UL-920 does not contain any material with heavy metals such as lead. Avoid contact with skin and eyes. Wear suitable protective clothing such overalls, goggles, dust mask and gloves. This product is not flammable.

FIRST AID

Skin contact : Rinse under plenty of water immediately. Seek medical advice if irritation persists.

Eye contact : Wash off under plenty of water immediately. Seek medical advice if irritation persists

Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus.

DISCLAIMER

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.