

ULTRAPROOF

Elastomeric waterproofing and rainproofing coating
ULTRAPROOF 960

No. TD : U-041
Revision : 03
Effective date : 08/06/2021

PRODUCT DESCRIPTION

ULTRAPROOF 960 is a water based elastomeric waterproofing and rainproofing coating to protect concrete, roof and exterior wall from infiltration of water, and covers hairline cracks. This quality provides elastic characteristic that can be bridge hair cracks. Due to its versatility, it can be practically applied to any supported substrates like concrete, asbestos, fibre cement, ceramic roof tile, pre-painted zinc/galvanis. This product available in many decorative colors.

FIELDS OF APPLICATION

- Side wall and exterior wall
- concrete
- Asbestos, fiber cement, ceramic roof tile and pre-painted zinc/galvanis

ADVANTAGES

- Water based and environmentally friendly
- Excellent weather and UV resistant
- Alkali resistant
- Fungus resistant
- Good adhesion
- Covering hairline cracks

TECHNICAL DATA

Type	: Elastomeric acrylic polymer
Color	: As shown in colour card
Finish look	: Dof
Solid by volume	: 45 %
Specific gravity	: 1.23 gr/cc
Drying time	:
• Surface dry	: 60 minutes (30°C)
• Hard dry	: 2 - 4 hours (30°C)
• Full cure	: 7 days (30°C)
Packaging	: 1 kg, 4 kg, 20 kg
Thinner/ clean up	: Clean water
Thinning ratio by weight	: First coat for priming : 10 - 20 % Second and third coat : ready to use
Recommended Material consumption	: 300 gram/m ² /coat for 100 micron DFT
Recommended DFT	: 300 microns
Recommended coating layer	: 2 – 3 coats
Re-coating interval	: Minimum 2 hours (30°C) or when the first coat already dry

Application method	:	Brush or roll
Application temperature	:	25 – 35°C
Humidity	:	Maximum 80 % RH
Storage Stability	:	One year in cool and dry storage and in original not opened container.

TEST PERFORMANCE DATA

Adhesion to substrate	:	> 1.5 N/mm ²	ASTM D-4541
Tensile strength	:	> 2.5 N/mm ²	ASTM D-412
Elongation	:	> 500 %	ASTM D-412

INSTRUCTION FOR USE

Surface Preparation

Surface must be clean, dry, sound and free from all contaminants. Newly build wall must be dry after 28 days old, make sure moisture content of wall \leq 16 % measured using Protimeter appliance and wall alkalinity (pH) 7 – 8 measured using Universal pH indicator. Remove all loosen material or paint residue through brushing and scraping using fibre brush. Treat any areas affected by biological organism like algae, moss or lichen with PROPAN FUNGICIDAL WASH. Repair defect with suitable materials.

Application Procedure

Function	Product and Tools	Coating amount	Recoating time/Curing Time
Thinning and mixing	: For 1 st coat thinned with water 10 – 20% by weight. Stir well until the mixture is homogeneous		
1 st Coat	: Apply paint that has been mixed using brush or roller.	0.3 kg/m ²	2 - 4 hours
2 nd Coat	: Apply paint that has been mixed using brush or roller	0.3 kg/m ²	2 - 4 hours
3 rd Coat	: Apply paint that has been mixed using brush or roller	0.3 kg/m ²	24 hours

Note:

- Critical parts for instance joint, space and crack can be strengthened by using fiber net or gauze
- Protect areas from water and rain, dust before the coating is dry.

RECOMMENDED COATING SYSTEM

Preceding coats	: Ultraproof 960
Subsequent coats	: Ultraproof 960

CLEANING

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

SAFETY PRECAUTIONS

ULTRAPROOF 960 is non toxic and non flammable and does not contain heavy metals in its materials such as lead. Avoid contact with skin and eyes. Do not inhaled. Wear suitable protective equipment such as googles, dust mask and gloves. For more information refer to material safety data sheet (available upon request).

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.