

# VODAPRUF

## vAcrylic

vAcrylic is a pre-blend ready to use acrylic based waterproofing coating that can be applied directly on substrate without any mixing required. It is suitable to be used exposed to direct sunlight and it is UV resistant. vAcrylic has best results (crack bridging ability of minimum 2mm) when used with vFlexiMesh as a 5-coat-system.

### APPLICABLE AREAS:

- Reinforced Concrete Old/New Flat Roof
- Wall
- Refurbishment of Concrete Gutter
- Metal Roof
- Roof Tiles

### ADVANTAGES

- Rapid set time
- Extremely good bonding to concrete and masonry.
- Resistant to sewage.
- Can be used vertically and horizontally
- Indoor or outdoor applications

### PRODUCT PROPERTIES

Property	Unit	Result
Elongation at break (ASTM D412:92)	%	220%
Thickness of membrane (Roof)	mm	1.5mm-2.2mm
Thickness of membrane (Wall)	mm	0.6-0.9mm
Tensile Strength (ASTM D412:92)	N/mm <sup>2</sup>	>0.5
Adhesion Strength (ASTM D412:92) (with vFleximesh)	N/mm <sup>2</sup>	>7
Adhesion Strength (ASTM D412:92) (without vFleximesh)	N/mm <sup>2</sup>	>1.5
Crack Bridging (ASTM C836:89)	mm	>2

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times.

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## APPLICATION INSTRUCTIONS

### **Surface Preparation**

Unsound substrate to be properly chipped away. Any cavities or loose substrate to be clean completely and patched with non-shrink grout. Any existing old coating or membrane has to be properly removed. Surface shall not be oil contaminated .

### **Application**

#### First Coat (Primer)

Dilute vAcrylic with water to a ratio of 1:1. Application of the diluted vAcrylic as a primer layer. The diluted vAcrylic enables it to absorb well into the substrate thus forming a keying layer.

#### Second Coat and Third Coat

Application of second coating of vAcrylic and while it is still wet, application of vFlexiMesh (named here as third coat) on the second layer . Allow coat to set for at least 2 hours.

#### Fourth Coat

This is followed by the application of fourth coat over the vFlexi mesh to build up to the necessary dry coating thickness.

#### Fifth coat

Application of last coat of vAcrylic to complete the system. The coating shall be thick enough to cover up vFlexiMesh from being visually visible. Upon application, coating shall be left to cure overnight. Total dry film thickness of the whole system upon curing shall be minimum 1.5mm.

### **Application temperature**

vAcrylic can be applied between 5 to 55 degree celsius

## CLEANING EQUIPMENT

Clean tools and equipment immediately with clean water after application.

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## **STORAGE AND SHELF LIFE**

vAcrylic has a shelf life of 12 months if stored in cool dry place.

## **PACKAGING AND APPEARANCE**

vAcrylic is packed in 20 litre pail set.

## **HEALTH, SAFETY AND CLEANING**

For details, please refer to the safety data sheet.

**Version: 0 Date: 15/10/2016**

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