

# Vulkem 350-SL/351

## WATERPROOFING SYSTEM WITH INTEGRAL WEARING SURFACE

### Key Benefits Summary

- Abrasion Resistant
- Decorative
- Waterproof
- Single pack products

## PRODUCT INFORMATION

### DESCRIPTION

Vulkem 350-SL/351 is an attractive composite deck waterproofing system of tough-curing liquid polyurethane. It cures to form a rubber membrane surface that provides a lasting, eye-appealing, and easy to clean coating. Non-skid surface for pedestrian traffic features use of an aggregate-laden top membrane for surest footing.

Vulkem 350-SL/351 may be used to apply a seamless, monolithic waterproof membrane to smooth concrete, to well anchored and primed wood, and to primed metal surfaces. Simple, easy to follow procedures and use of conventional tools or optional spray permit fast, sure application.

### BASIC USES

For pedestrian;

- Plazas
- Decks
- Roof Terraces
- Balconies, and
- Mechanical Equipment Rooms.

### USAGE GUIDELINES

#### Vulkem 350-SL Base

One part urethane membrane bonds firmly to clean, dry concrete, wood or metal. It retains its integrity even if substrate movement causes hairline cracks of up to .8mm. If cut or damaged, Vulkem 350-SL will prevent water migration between it and its substrate. Vulkem 350-SL can be finished after a 48 hour cure at temperatures over 15.6°C. A Quick Cure Catalyst can be utilized for a fast track application.

#### Vulkem 351 Finish

Applied after the 350-SL base has cured and the non slip aggregate has been broadcast. Vulkem 351 is offered in white, limestone, grey, slate grey, beige, green, red and maple. The finished top layer affords excellent abrasion resistance, and outstanding elongation and recovery to expand and contract with substrates. Interlaminar bond to 350-SL is exceedingly strong.

## USAGE DIRECTIONS

### APPLICATION

A waterproof base membrane .875 - 1.125mm thickness is recommended (.86 square metres per litre) for the Vulkem 350-SL base layer. Of 20 to 30 Shore A hardness, it bonds firmly to clean, dry concrete, to firmly fastened exterior grade plywood and metal surfaces.

The Vulkem 351 abrasion resistant traffic layer can be applied by brush or short nap roller at a coverage of 2.5 square metres per litre to achieve a recommended .375mm finished top layer.

Consult your nearest Tremco office for further application details.

#### Concrete:

Vulkem 350-SL/351 can be used on all clean, dry, cured concrete surfaces free of special coating or curing agents. Moving joints require sealing. Surfaces should be smooth, and should be leveled if ridged.

#### Wood:

Wood must be firm and well fastened, with proper attention given to joints and movement. Plywood must be exterior grade with the "A" side up.

#### Metal:

Must be clean and primed. It must be firmly anchored in place at transitions to wood or concrete.

## TECHNICAL INFORMATION

### TYPICAL PHYSICAL PROPERTIES

#### Vulkem 350-SL Base Coat

Property	Test Method	Result
Tensile	ASTM D-412	2.21MPa
Elongation	ASTM D-412	1040%
S100	ASTM D-412	414kPa
Hardness (Shore A)	ASTM C-661	20
Peel Strength	ASTM C-794	30lbs, 100% coh
on concrete		
Permeability	E-96	0.12metric perms

UL 790 CLASS A FIRE RATING

CAN/ULC - S102.2 - M88 CLASS A RATING

#### Wet Material Properties

Non Volatile Content	ASTM D-1353	79% min
Viscosity, cps	Brookfield HBT	8-10,000
Cure Time	ASTM D-1640	48 Hours max.
@ 25°C - 50% R.H		
Flash point	Setaflash	44.4°C

TREMCO PTY LTD ABN 25 000 024 064  
Unit 1, 2 Park Rd, RYDALMERE NSW 2116 Australia  
Tel: (02) 9638 2755 Fax: (02) 9638 2955  
tremco@tremco.com.au



# Vulkem 350-SL/351

## Vulkem 351 Top Coat

Property	Test Method	Result
Tensile	ASTM D-412	20.7MPa
Elongation	ASTM D-412	140%
S100	ASTM D-412	15.2kPa
Hardness (Shore A)	ASTM C-661	75
Peel Strength on concrete	ASTM C-794	100% coh to Vulkem 350
Permeability	E-96	0.06 metric
UL 790 CLASS A FIRE RATING		
CAN/ULC - S102.2 - M88 CLASS A RATING		

## Wet Material Properties

Non Volatile Content	ASTM D-1353	63% min
Viscosity, cps	Brookfield HBT	2 - 3,000
Cure Time @ 25°C - 50% R.H	ASTM D-1640	24 Hours max.
Flash point	Setaflash	27.8°C

## AVAILABILITY

Vulkem 350-SL/351 is available through your nearest Tremco office.

## HEALTH AND SAFETY PRECAUTIONS

Material Safety Data Sheet must be read and understood before use.

## TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

## GUARANTEE/WARRANTY

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specifications and TREMCO standards.

Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by TREMCO as being suitable for this product.

All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will contribute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or implied.