



## Technical Data Sheet

# PUMATECT 'V'

## HIGH BUILD EPOXY FLOOR COATING

### DESCRIPTION

Pumatect 'V' is a high build chemically resistant epoxy floor coating which provides the maximum protection in the minimum number of coats. Pumatect 'V' exhibits high levels of abrasion resistance and is used in conjunction with Pumaflor resin flooring to produce a continuous seamless finish onto vertical surfaces.

### COMPOSITION

Two pack solvent free epoxy resins and inert fillers.

### APPEARANCE

Gloss coloured or clear smooth finish.

### DURABILITY

Surfaces coated with Pumatect 'V' have good abrasion and impact resistance combined with excellent protection against attack from a wide range of chemicals.

### THICKNESS

150-200µm per coat.

### TYPICAL INSTALLATIONS

Pumatect 'V' is used as a finish coat for Pumarend L.W. and as a permanent protection in areas requiring chemical resistance combined with abrasion resistance such as wash boxes, process tanks, silos etc. Pumatect 'V' is used as a protective coating against chemicals in effluent pits, collector vats, chemical spillage, bund walls, etc. It is particularly useful to provide protection over rough surfaces such as render, pre-cast concrete, breeze block etc., where its high build properties provide excellent cover.

### SUBSTRATES

Pumatect 'V' adheres well to concrete, render, brickwork, blockwork etc.

### SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

### APPLICATION CONDITIONS

5-30°C

### PRIMING

Pumatect 'V' does not normally require a primer. When treating extremely weak or porous concrete it is advisable to prime with Pumaprime S.F.

### MIXING

Add full contents of hardener container to full contents of resin container and mix with a slow speed stirrer for at least 2 minutes.

### APPLICATION TECHNIQUE

Apply by brush or roller.

### COVERAGE RATES

At 150µm -5.5m<sup>2</sup>/kg (180g/m<sup>2</sup>)

At 200µm -4.2m<sup>2</sup>/kg (240g/m<sup>2</sup>)

### SPECIFICATION DETAIL

Two coats of Pumatect 'V'. Providing a nominal total build of 350µm.

### MAINTENANCE

Surfaces treated with Pumatect 'V' require the minimum maintenance such as wiping down and flushing with water to be maintained in original condition.

### CURE SCHEDULE

Pot life @ 20°C -30-45 minutes

Touch dry @ 20°C -6-8 hours

Overcoat period -8-24 hours

Full cure -7 days

### CHEMICAL RESISTANCE

Pumatect 'V' has excellent resistance to a wide range of chemicals. Please refer to technical data sheet reference TD112.

### GRADES AVAILABLE

F.X. Please refer to technical data sheet reference TD111.

### COLOURS AVAILABLE

Pumatect 'V' is available in the full range of Resdev colours.

### TECHNICAL DATA

Compressive strength -40N/mm<sup>2</sup>

Flexural strength -28N/mm<sup>2</sup>

Lap shear bond strength -15N/mm<sup>2</sup>

Elastic modulus -3.9kN/mm<sup>2</sup>

Ease of decontamination to BS 4247 : part 1 test A "Good"

### HEALTH AND SAFETY

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

### STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

### TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.