

Flortex UVR

Ultra tough clear UV resistant polyurethane floor sealer



“maintenance made easy”



PRODUCT DESCRIPTION

Flortex UVR is a low viscosity two part high build 100% solids polyurethane formulation providing an extremely tough and totally impervious gloss finish with excellent chemical resistance that is UV stable. Its low viscosity formulation ensures maximum penetration into porous surfaces, actually strengthening the substrate.

TYPICAL USES

Due to its outstanding dust-proofing and surface-hardening properties, *Flortex UVR* may be used as a concrete sealer without further coating. As a universal primer, it is compatible with a wide range of Polycote epoxy topcoats and screeds. Being solvent-free, non-toxic and non-taint, *Flortex UVR* is ideal for use in medical, animal, food-processing and working environments. Typical applications include warehouses, factories, workshops, laboratories and chemical bunds.

SUITABLE SUBSTRATES

Flortex UVR has been developed specifically for cementitious and timber substrates.

COLOUR

Flortex UVR is colourless and translucent.

PACKAGING

Flortex UVR is supplied in pre-measured quantities as a two part 5.0L unit, comprising an polyurethane resin blend Part ‘A’ and hardener Part ‘B’.

PHYSICAL PROPERTIES

Compressive Strength	70N/mm ²
Flexural Strength	92N/mm ²
Tensile Strength	50N/mm ²
Elastic Modulus	3.4KN/mm ²

DIRECTIONS FOR USE

SURFACE PREPARATION

Thorough substrate preparation is essential.

Recommended methods are:

Powerfloated, loose or friable

concrete – use a Vacuum Assisted Shotblaster to remove weak laitance and provide a surface key for the coating. If this is not possible, chemically etch with Polycote *Etch IT* then rinse thoroughly and allow to dry.

Loose paint or rust – remove, using a Vacuum Assisted Shotblaster, Floor Grinder or equivalent method.

Oil or grease – use Hot Compressed Air for large areas of contamination.

Smaller, isolated deposits may be chemically cleaned with Polycote *Degrease IT* then rinsed thoroughly and allowed to dry. **See relevant Data Sheet prior to application.**

DIRECTIONS FOR USE Cont.

ONCE PREPARED, THE AREA MUST BE KEPT CLEAN AND FREE OF TRAFFIC.

MIXING

Thoroughly agitate Parts 'A' and 'B' individually to disperse any settlement, then add hardener Part 'B' to resin Part 'A' and mix for at least two minutes using a heavy-duty slow speed drill with a mixing paddle.

ENSURE THOROUGH MIXING AS AN UNMIXED PRODUCT WILL RESULT IN A POOR OR NON-CURE SITUATION.

APPLICATION

Once mixed, the *Flortex UVR* must be applied immediately.

Apply by brush or roller, maintaining an even application.

The ambient temperature must remain above 10°C and the surface temperature above 5°C during the application.

NON-SLIP APPLICATIONS

For slip resistance, sprinkle Polycote Calcined Bauxite aggregate onto the wet primer coat.

The normal sprinkling rate is 4-8m² per 1kg aggregate, but this rate may be varied between 0.5m² – 10m² per 1kg, depending on slip resistance required.

This method allows selective areas of non-slip treatment to be applied as required.

Spiked shoes should be worn to avoid disturbing the wet coating.

Allow to cure before overcoating to encapsulate the aggregate.

POT LIFE AND CURING TIMES

Flortex UVR – pot life is approximately 20 minutes at +20°C.

Initial curing takes place at 8-12 hours and product is fully cured after 7 days.

Recoat time is 8-12 hours or once surface has lost tackiness, and in any case not more than 24 hours. If this period is exceeded, the surface must be abraded to give a key before the second coat is applied.

APPLICATION TEMPERATURE

Normal application temperature is between 10°C and 25°C.

COVERAGE

The coverage of *Flortex UVR* is between 20–25m² per 5L unit, depending on the texture and porosity of the surface.

CLEANING

Tools and equipment should be cleaned whilst resin is still wet with Solvent Cleaner.

Hands and skin should be cleaned immediately with Organic Hand Cleaner.

SHELF LIFE & STORAGE

Shelf life in unopened containers is approximately 12 months subject to conditions of storage.

Store in a cool, dry, frost-free environment away from sources of ignition and out of direct sunlight.

HEALTH AND SAFETY

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

ANY QUESTIONS?

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.

Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Help line
01234 846400

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure for himself that the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.

REV: 06/17

