

Description

Q/Flex 500 UVR is a solvent free high build polyurethane floor coating for concrete, grano, asphalt & rubber screed. With excellent resistances to abrasion, chemical attack and other physical aggression including flexing/minor movement. With a high order of UV resistance.

Composition	Solvent free polyurethane resin system.
Appearance	Totally seamless, glossy smooth finish.
Durability	High order of durability, resistance to abrasion, impact, chemical attack and penetration.
Thickness	Applied between 0.25 – 0.50mm.

Typical Installations

Q/Flex 500 UVR is ideally situated for use in Car Park, Decking as a final finish coat with a high order of UV resistance. Also over the Flexscreed® rubber as a flexible sealer.

Substrates

Concrete, polymer reinforced, grano concrete, asphalt, mild steel, alloys, water resistant plyboard & rubber screed.

Surface Preparation

To be assured maximum adhesion and properties from Q/IMS Resin Products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation".

Application Conditions

10 – 30°C; maximum moisture content within substrate 5%.

Priming

Most surfaces only require priming if very porous Or a damp proof membrane is required. Prime with Q/Prime C.P.D, it may be prudent depending on substrate porosity to apply a 2nd coat of Q/Prime C.P.D.

Mixing

Pour and fully drain the contents of the clear hardener component into the pigmented resin component and mix thoroughly for a minimum of three minutes or until a homogeneous mix is obtained paying special attention to scrape the sides and base of container.

Application Technique

Depending upon film build specified, apply by roller or steel float at the prescribed spreading rates.

Coverage Rates

Nominal 0.25mm = 0.39kg/m²

Nominal 0.5mm = 0.78kg/m²

Can be applied in one coat of approximately 0.65kg/m²
(Depending on substrate porosity and profile).

Specification Detail

Two coats Q/Flex 500 UVR at nominal thickness required.

Maintenance

Provided contamination is not allowed to build up, regular scrubbing or mopping with normal proprietary cleaning agents will maintain this system in serviceable condition. Damaged areas of this system should be patch-repaired/replaced in order to ensure longevity of the work area is maintained.

Cure Schedule

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic hydrocarbon solvents and ester solvents. Limited resistances to ketones and alcohol's. Please refer to the technical department.

Pot life of full unit	15-20min @ 20°C
Initial film set time	4 hours @ 20°C
Resistant to light traffic	16 hours @ 20°C
Full cure/chemical resistance	4-5 days @ 20°C

Health and Safety

Please read technical data sheet, and specific health provided in compliance with the requirements of EC

Storage, Mixing and Application

The storage, mixing and application conditions can finished produced. Please read technical data sheet.

Test Data

Elongation at break to B.S.2782	70%
Hardness to Shore 'D'	62
Tensile Strength to B.S.2782	7N/mm ²
Tear Strength to B.S.903 die 'C'	33N/mm ²
Compressive strength to B.S.6319	90N/mm ²
No failure (85% recovery) Taber Abrasion - dry CS10/1000 cycles/1kg	80mg
Taber Abrasion - dry H18/1000 cycles/1kg	400mg

Chemical Resistance

Available in the full range of IMS colours.

Colours

and safety for this product Directive 91/155

affect the quality of the