

## Q/FLEX 500

### Standard Colour Chart



**Note:** The colours represented here act as a guide only. If colour or final aesthetics are of prime concern, please contact us and request an actual sample.

### DESCRIPTION

Q/Flex 500 is a solvent free high build polyurethane floor seal for concrete, grano and asphalt. With excellent resistances to abrasion, chemical attack and other physical aggression including flexing/minor movement.

### COMPOSITION

Solvent free polyurethane resin system combined with colour and graded fine aggregate.

### APPEARANCE

Totally seamless, glossy smooth finish with uniform colour.

### DURABILITY

High order of durability, resistance to abrasion, impact, chemical attack and penetration.

### COLOURS

Available in the full range of colours, except white

### THICKNESS

Applied between 0.25 – 0.50mm.

### TYPICAL INSTALLATIONS

Q/Flex 500 is ideally suited for areas subject to heavy duty use:-

Chemical Processing  
Food preparation/wet areas  
Brewing/dairy clean areas

### SUBSTRATES

Concrete, polymer reinforced, grano concrete, asphalt, mild steel, alloys and water resistant plyboard.

# Q/FLEX 500 TECHNICAL DATA

## SURFACE PREPARATION

To be assured of maximum adhesion and properties from Quattro resin products the correct surface preparation is essential.

## APPLICATION CONDITIONS

5-30°C; maximum moisture content within 75% RH

## PRIMING

When treating extremely weak or porous concrete then prime with Q/Prime SF. When applying to Aluminium alloys, Zinc, Copper and glazing prime with Q/Prime DS.

## MIXING

Pour and fully drain the contents of the clear brown 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 prescribe spreading rate.

## COVERAGE RATES

Nominal 0.25mm = 0.39kg/m<sup>2</sup>

Nominal 0.5mm = 0.78kg/m<sup>2</sup>

## SPECIFICATION DETAIL

Two coats Q/Flex 500 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

Pot life of full unit	- 45 min @ 20°C
Initial film set time	- 4 hrs @ 20°C
Resistant to light traffic	- 12-16 hrs @ 20°C
Resistant to heavy traffic	- 4-5 days
Full cure/chemical resistance	- 48 hrs @ 20°C

## CHEMICAL RESISTANCE

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.

## GRADES AVAILABLE

Also available as a wall coating as Q/Flex 500 V.

## TEST DATA

Elongation at break to B.S.2782 - 70%

Hardness Shore 'D' - 62

Tensile strength to B.S.2782 - 7N/mm<sup>2</sup>

Tear strength to B.S.903 die 'C' - 33N/mm<sup>2</sup>

Compressive strength to B.S.6319 - 90N/mm<sup>2</sup> no failure (85% recovery)

Taber abrasion – dry CS10/1000 cycles/1kg- 80mg

Taber abrasion – dry H18/1000 cycles/1kg- 400mg

## HEALTH AND SAFETY

Please read technical data sheet 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.

## TECHNICAL ADVICE

For further information on this or any other Quattro product, please contact our Customer Care Department on 01768 868004