

Q/SHIELD



DESCRIPTION

Q/Shield is a medium viscosity epoxy coating for concrete, grano and mild steel. It has excellent abrasion and chemical resistance and will provide a hard wearing coatings which will withstand many years of traffic. Q/Shield will yield nominally 150-175 microns dry film build per coat. On rough and uneven concrete Q/Shield can yield a smooth, easily cleaned surface.

COMPOSITION

Q/Shield is a two pack epoxy resin of medium Viscosity combined with abrasion resistant fillers.

APPEARANCE

Q/Shield provides a semi gloss finish in a range of colours and clear.

THICKNESS

Nominal 350m per 2 coats.

TYPICAL INSTALLATIONS

Q/Shield is used in areas requiring good wear and chemical resistance combined with economical cost. It is suitable for chemical plant storage areas, warehouses, toilets, laboratories and food preparation areas.

SUBSTRATES

Q/Shield adheres well to concrete, grano and mildsteel. Due to the solvent content, application over asphalt may lead to bitumen bleed through.

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.

Q/SHIELD TECHNICAL DATA

SURFACE PREPARATION

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

APPLICATION CONDITIONS

Q/Shield is a fairly thick resin and although it will apply and cure at low temperatures, an ambient in excess of 10C° is preferable. Maximum moisture content of 75% RH.

PRIMING

Q/Shield does not normally require the use of a primer. When treating extremely weak or porous concrete it is advisable to prime with Q/Prime SF.

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 TECHNIQUES

Apply by short or medium nap roller from a paint tray. Push the resin well into the surface making sure the floor is fully wetted and then pull back lightly with the roller to the required thickness. Use coverage rates as a guide to thickness.

COVERAGE

(Nominal 350 micron dry film build)

Normal Substrate

1st Coat: - 320gm/M²

2nd Coat - 280gm/M²

Porous Uneven Substrate

1st Coat: - 480gm/M²

2nd Coat - 420gm/M²

MAINTENANCE

Q/Shield coated floors can be readily cleaned using a proprietary cleaning solution.

CURE SCHEDULE

Pot life at 20C° - 30-45 minutes

Initial Cure Time at 20C° - 10-12hours

Intercoat Period t 20C° 16-24 hours

Foot Traffic at 20C° - 16-24 hours

Full Cure - 7 days

CHEMICAL RESISTANCES

Good resistance to a wide range of chemicals.

TECHNICAL DATA

Taber Abrasion (1Kg load, CS17 Wheel) - 3mg loss per cycles

Lap Shear Bond strength - 15N./mm³

Ease of decontamination to BS4247: part1 Test A - Excellent

Solids content by volume - 95%

HEALTH & SAFETY

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

STORAGE, MIXING AND APPLICATION

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

TECHNICAL ADVICE

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