

QUATTRO CONTRACTING (PEN) LTD

SPECIALIST RESIN AND INDUSTRIAL SYSTEMS

Unit 5/6 Ullswater Business Park
Ullswater Road, Penrith
Cumbria, CA11 7EH
Tel: 01768 868004 or 05602 058888
Fax: 01768 865195
www.quattrocontracting.co.uk



Q/TYLE

DESCRIPTION

Q/Tyle is a solvented, aliphatic polyurethane coating system. The cured coating is virtually insoluble and un-deletable, exhibits excellent resistance to a wide range of chemicals, and has outstanding light and weather stability. Concrete, steel and many other metals are readily attacked, not only by industrial chemicals, but by pollutant chemicals in the atmosphere and rainwater. Q/Tyle coating systems enable problems to be overcome that would be impossible to solve with conventional paint materials.

USES

Q/Tyle coatings, because of their wide range of properties, are ideal for a variety of different substrates such as concrete, render, brick, plasterboard, steel, aluminium, etc. Q/Tyle coatings are ideal for protecting internal and external mineral substrates in a wide range of functional or decorative situations, particularly in the food and chemical industries. They are ideal as an anti-corrosion coating for internal and external structural steelwork and comply with F.D.A regulations for food process machinery in that they do not yellow or support bacterial growth.

ADVANTAGES

Excellent Adhesion

Q/Tyle has excellent adhesion to a wide range of substrates and, when tested with concrete, in all cases the adhesion of the DD film to the concrete was greater than the cohesion of the concrete itself.

Light Stability and Weather Resistance

Q/Tyle is light stable. The ultra-violet part of the solar radiation has virtually no effect on the film surface. It is this which gives the coating its outstanding weather resistance. This means retention of the original gloss, good chalking resistance and excellent colour fastness.

Barrier against Heavy Rain

Compared with mineral building materials and conventional coatings, a Q/Tyle coating system has a very low water absorption coefficient. Test carried out on plaster specimens to DIN 53495

Protection from Carbonation

The coating of new or repaired concrete surfaces with Q/Tyle prevents the diffusion of acid gases. This stops the neutralisation process and prevents the pH from falling.

Anti-graffiti Properties

Surfaces treated with Q/Tyle may be simply cleaned by dissolving off the offending graffiti in a suitable solvent mixture or graffiti remover. Although the graffiti is removed, Q/Tyle stays unaffected by the chemicals used.

Hygienic Sterile Finish

Areas treated with Q/Tyle are impervious to attack by soiling, bacteria and aggressive disinfectants. Tests on a cured DD sample showed that an incubated fungal spore suspension showed no growth after 14 days.

Chemically Resistant

Q/Tyle treated surface exhibits excellent resistance to a wide range of chemicals.

Fire Testing to BS476

BS476:Part 7:1987 (amended 1990) Surface Spread of Flame-Class 1 rating. BS476:Part 6:1989 Flame Propagation-Class 0 rating UK Building Regulations 1985, Section 15, Approval Document B2/3/4.

COLOURS

Q/Tyle is available in a wide range of colours or in clear. Please see Colour Chart.

SUBSTRATE PREPARATION

All substrates must be protected by an adequate and effective D.P.M where necessary and have a maximum residual moisture content of 5% by weight (75% Relative Humidity).

QUATTRO CONTRACTING (PEN) LTD

SPECIALIST RESIN AND INDUSTRIAL SYSTEMS

Unit 5/6 Ullswater Business Park
Ullswater Road, Penrith
Cumbria, CA11 7EH
Tel: 01768 868004 or 05602 058888
Fax: 01768 865195
www.quattrocontracting.co.uk



Surfaces to be treated must be sound, free from oil or other contaminants, loosely adhering coatings, laitance and dust. Smooth and dense surfaces must be mechanically abraded to provide a mechanical key and all dust and loose material must be removed by industrial vacuum before priming to ensure that primer penetration is not retarded by residual dust.

APPLICATION

Q/Tyle systems should be installed ideally at 18-20°C. Minimum 7°C, maximum 25°C.

As with conventional coating systems, Q/Tyle systems also comprise a three coat build-up consisting of : 1) Primer 2) Undercoat (Pigmented) 3) Finish Coat (Pigmented)

PRIMERS

a) Cementitious Substrates

Q/Tyle Clear Primer is a saponification resistant polyurethane penetration primer. The high cross-linked density of the cured material ensures a high level of hardness and thus good con-solidation of friable surfaces. Application rate approximately 10-6.6m²/kg/coat.

b) Mineral Substrates

i) Gypsum Based Plasters

Due to the wide range of gypsum based plasters in use, experience indicates that the Q/Tyle Primer should be omitted. A coat of Q/prime DS should be applied, left to cure for a minimum of 48 hours at 20°C and then followed by a coat of Q/Tyle Undercoat and a coat of Q/Tyle Finish. Please see Q/prime DS data sheet.

ii) Dense Substrates

Such as glazed ceramic tiles, vitrified quarry tiles, terrazzo. Q/Prime DS should be specified in accordance with section (I).