

# QUATTRO

CONTRACTING (PENRITH) LTD

UNITS 5/6 ULLSWATER  
BUSINESS PARK  
PENRITH, CUMBRIA, CA11 7EH  
Tel: 01768 868004  
Fax: 01768 865195  
www.quattrocontracting.co.uk

## Q/TUFF SL



### DESCRIPTION

Q/Tuff S.L. is a medium duty, flow applied, smooth flooring based upon polyurethane technology, which provides a surface with excellent resistances to abrasion, chemical attack and other forms of physical aggression.

### COMPOSITION

Water dispersed polyurethane resin system combined with reactive polyurethane hardener and graded silica aggregates.

### APPEARANCE

Seamless matt smooth finish with uniform colour.

### DURABILITY

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

### THICKNESS

Typically 2-2.5mm.

### TYPICAL INSTALLATIONS

The Q/Tuff S.L. is ideally suited to areas subject to heavy duty use:

Chemical processing

Food processing/wet areas

Brewing/dairy clean areas

Engineering processing areas

### SUBSTRATES

Concrete, polymer reinforced screeds, grano concrete, mildsteel and water resistant plyboard.

## 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/TUFF SL TECHNICAL DATA

## **SURFACE PREPARATION**

To be assured of maximum adhesion and properties from Quattro resin products the correct surface preparation is essential. In order to ensure the finished system remains fully bonded to the subfloor, it is recommended that the edges of the floor areas adjoining the walls are rebated to produce a cross-section of 20mm deep by 6mm wide, running at 150mm from and parallel with the walls.

## **APPLICATION CONDITIONS**

5-30°C. Maximum moisture content of 75% RH

## **PRIMING**

Priming of all surfaces should be undertaken with Q/Prime S.F. The primer should be allowed to cure for a minimum of 16 hours prior to application of the Q/Tuff S.L. system. (Maximum overcoating time at 20°C – 48 hours). In order to ensure a minimum film build of 2mm is maintained and also minimise wide variations in applied product film thickness, it is recommended that floors with notable variations in profile or level are scratch-coated prior to application of Q/Tuff S.L.

## **MIXING**

Q/Tuff S.L. is a three-component product. Pre-mixing of the coloured liquid component is recommended to ensure any light settlement is reincorporated. Thoroughly drain the contents of the brown hardener component into the liquid colour component and mix for a minimum of one minute or to provide a homogeneous mix. The resultant mixture should then be loaded into a rotary drum mixer and the aggregate component added in stages, mixing until a lump free, smooth mix is obtained.

## **APPLICATION CONDITIONS**

Apply to pre-primed areas, levelling to the required thickness with a steel trowel aided by a spiked roller. Spiked rolling should be effected within three minutes of application in order to avoid interfering with the flow and film gel times.

## **COVERAGE RATES**

Nominal thickness 2.0mm 2.5mm

Coverage – kg/m<sup>2</sup> 3.63 4.54

## **SPECIFICATION DETAIL**

Q/Prime S.F. applied at 125g/m<sup>2</sup>.

Q/Tuff S.L. at coverage rates quoted above.

## **MAINTENANCE**

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain these systems in serviceable conditions. Normal proprietary cleaning agents in combination with pressure washing may be employed.

## **CURE SCHEDULE**

Usable Life of full unit/mix at 20° C -15 mins  
Initial film gel time (joining up) at 20° C -20 mins

Cure time to light pedestrian traffic at 20° C -5-7 hours

Cure time to light wheeled traffic at 20° C -12-16 hours

Cure time to heavy duty traffic at 20° C -24 hours  
Full cure at 20° C -3-5 days

## **CHEMICAL RESISTANCE**

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents.

## **COLOURS AVAILABLE**

All standard colours except white, blue and magnolia.

## **TECHNICAL DATA**

Compressive strength to BS6319 Part 2 -62.0N/mm<sup>2</sup>

Tensile strength to BS2782:320D -12N/mm<sup>2</sup>

Flexural strength to A.S.T.M. D790 -40.0N/mm<sup>2</sup>

Elastic modulus to BS2782:320D -1530.0N/mm<sup>2</sup>

Slant shear bond strength to BS6319 -55.0N/mm<sup>2</sup>

Abrasion resistance by Taber mg loss/1000 cycles/1kg load with H18 wheel -900

TRRL slip resistance -65 Dry

## **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.