

# QUATTRO

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## Q/TUFF HF



### DESCRIPTION

Q/TUFF H.F is a heavy duty polyurethane based floor designed to provide excellent resistances to abrasion, chemical attack and other physical aggression.

### COMPOSITION

Water dispersed polyurethane resin system combined with graded silica aggregates.

### APPEARANCE

A level mottled aggregate surface with chosen background colour providing a light slip resistant texture.

### DURABILITY

Highest order of durability, resistances to abrasion impact and chemical attack. Stable to steam cleaning and hot water exposure at a thickness on 9mm.

### Standard Colour Chart



### COLOURS

Chelsea Blue, Red, Sahara, Mid Grey, Dark Grey, Charcoal, Buff, Safety Yellow, Yellow, Green, Brown, Safety Red.

### THICKNESS

Typical 9mm or 6mm

### TYPICAL INSTALLATIONS

Heavy duty situations to contact:-  
Chemical processing  
Food processing  
Brewing  
Heavy duty traffic and plant vehicles  
Engineering process areas.

### SUBSTRATES

Concrete,  
polymer reinforced screeds,  
grano concrete.

The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match. Special corporate colours and designs can be produced to special order.

## **SURFACE PREPARATION**

To be assured of maximum adhesion and properties from Quattro resin products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation". In order to ensure the finished system remains fully bonded to the sub-floor, it is recommended that the edges of the floor area adjoining the walls are rebated to produce a cross-section of 20mm deep by 8mm 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 Prime S.F. Please refer to technical data sheet. This primer should be allowed to cure for a minimum of 16 hours prior to application of the Q/Tuff H.F. system.  
(Maximum overcoating time at 20° C – 48 hours).

## **MIXING**

Pre-mixing of the coloured liquid component is recommended to ensure any light settlement is reincorporated. Thoroughly scrape the contents of the liquid colour component into the brown hardener component and mix for a minimum of 1 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 mix is obtained. Apply to pre-primed areas and lever with a pin rake as necessary and lightly touch up with a trowel.

## **COVERAGE RATES**

18kg/m<sup>2</sup> at 9mm or 12kg/m<sup>2</sup> at 6mm.

## **SPECIFICATION DETAIL**

Q/Prime S.F. at approx. 125g/m<sup>2</sup>.  
Please refer to technical data sheet.  
Q/Tuff H.F. at 9mm or 6mm.

## **MAINTENANCE**

Regular cleaning of the applied system is recommended in order to maintain slip resistant properties and cosmetics.  
Normal proprietary cleaning agents in combination with pressure Washing/steam cleaning 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/9mm build - 20 mins  
Cure time to light traffic at 20° C/9mm - 4-6 hours  
Cure time to light wheeled traffic at 20° C/9mm - 12-16 hours  
Cure time to heavy duty traffic at 20° C/9mm - 24 hours  
Full cure at 20° C/9mm - 3-5 days

## **CHEMICAL RESISTANCE**

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. Please refer to technical data sheet.

## **TECHNICAL DATA**

Compressive strength to BS6319 Part 2 (N/mm<sup>2</sup>) - 59.0  
Tensile strength to BS2782:320D (N/mm<sup>2</sup>) - 6.5  
Flexural strength to A.S.T.M. D790-84a (N/mm<sup>2</sup>) - 40.0  
Elastic modulus to BS2782:320D (N/mm<sup>2</sup>) - 1350.0  
Slant shear bond strength to BS6319 (N/mm<sup>2</sup>) - 51.0  
Abrasion resistance by Taber mg loss/1000 cycles/1kg load with H10 wheel - 900  
RRL slip resistance - 60 Wet - 80 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 Contracting product, please contact our Customer Care Department on 01768 868004.