

## FLOW 4000



### Standard Colour Chart



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.

### DESCRIPTION

Flow 4000 is a medium to heavy duty epoxy resin floor finish providing a smooth, easily cleaned surface with excellent resistance to chemicals. The smooth finish is obtained by finishing and smoothing the surface with a spiked roller. The incorporation of abrasion resistant fillers in the epoxy resin produces a floor finish with the highest order of wear resistance.

### COMPOSITION

3 pack solvent free epoxy resin and graded quartz aggregates.

### APPEARANCE

Smooth gloss coloured finish. With use the gloss finish will scratch or matt down. If a gloss finish is to be maintained then polishes can be used. Check with technical department as to the types of suitable polish.

### DURABILITY

Smooth gloss coloured finish. With use the gloss finish will scratch or matt down. If a gloss finish is to be maintained then polishes can be used. Check with technical department as to the types of suitable polish.

### COLOURS AVAILABLE

Available in a wide range of colours.

### THICKNESS

4 - 6mm

### TYPICAL INSTALLATIONS

Flow 4000 is ideal for areas subject to heavy wear but requiring a smooth easily cleanable surface such as storage areas, dry processing, engineering, laboratories etc. Not suitable for domestic locations.

### SUBSTRATES

Flow 4000 adheres well to concrete and grano.

## **FLOW 4000 TECHNICAL DATA**

### **SURFACE PREPARATION**

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

### **APPLICATION TECHNIQUE**

Spread the mixed Flow 4000 to required thickness using a trowel and level using a spiked roller. Depending on the temperature it may be necessary to use the spiked roller after 15-30 minutes to ensure that all the air has been released.

### **PRIMING**

Q/Prime SF at 125g/m<sup>2</sup>. Allow to cure prior to application of Flow. Coverage rate dependant on substrate, porosity and texture.

### **APPLICATION TECHNIQUE**

Spread the mixed Flow 4000 to required thickness using a trowel and level using a spiked roller. Depending on the temperature it may be necessary to use the spiked roller after 15-30 minutes to ensure that all the air has been released.

### **MIXING**

The use of a rotary drum mixer is essential to produce a smooth even finish. Mix the resin and hardener units together thoroughly for at least 60 seconds until even coloured. Then add the Flow aggregate slowly whilst mixing at the same time. Allow to mix for further 3 minutes.

### **APPLICATION TECHNIQUE**

Spread the mixed Flow 4000 to required thickness using a trowel and level using a Quattro spiked roller. Depending on the temperature it may be necessary to use the spiked roller after 15-30 minutes to ensure that all the air has been released.

### **COVERAGE RATES**

Flow 4000  
Nominal thickness 4mm 6mm  
Coverage kg/m<sup>2</sup> 7.36 11.04

### **MAINTENANCE**

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Flow floors satisfactorily. Flow floors may be polished back to the original gloss in exactly the same way as vinyl or lino.

### **CURE SCHEDULE**

Pot Life (full unit) at 20° C - 30 minutes  
Initial Set at 20° C - 8-10 hours  
Foot Traffic at 20° C - 24 hours  
Heavy Traffic at 20° C - 3-4 days  
Full Chemical Resistance - 7-10 days

### **TECHNICAL DATA**

Compressive Strength N/mm<sup>2</sup> 37  
Flexural Strength N/mm<sup>2</sup> 30  
Slant Shear Bond Strength N/mm<sup>2</sup> 29  
Density 1.80  
Elastic Modulus kN/mm<sup>2</sup> 3.5  
Flame Spread (BS476 Part 7) Class 2  
Thermal Cycle 14 Days 40° C at 100° C @ 24 hour  
Cycle Showed no debonding or stress  
Ease of decontamination to BS4247:Part 1 Test A  
"Excellent"  
Taber Abrasion Resistance (1kg load/1000 cycles) 63mg loss (H10)

### **HEALTH AND SAFETY**

Please read the relevant 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. 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.