



ULTRA FLOW 2

Self Leveling Epoxy Floor

Admixtures

Surface Treatments

Protective Coatings

Concrete Repairs

Industrial Flooring

Grouts & Anchors,

Adhesives,

Water Proofing

Sealants

DESCRIPTION

Ultra Flow 2 is a 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 specially designed Ultra spiked roller. The incorporation of abrasion resistant fillers in the epoxy resin produces a floor finish with the highest order of wear resistance.

Ultra Flow 2mm - 3mm

Coverage Rates

Ultra Flow 2

Nominal

Thickness 2 - 3mm

Coverage 1 m²/5.4 kg

Ultra Primer to prime at 5 m²/kg.

Ultra Flow 2 at coverage rates as above.

Composition

3 pack solvent free epoxy resin and graded quartz aggregates.

Appearance Smooth gloss colored finish.

Durability

Ultra Flow 2 exhibits the highest order of abrasion resistance.

Thickness

Ultra Flow 2mm - 3mm
It could also be placed in 3 mm and 4 mm thickness.

TYPICAL INSTALLATIONS

- Manufacturing plants.
- Kitchens
- Chemicals processing
- Food processing.
- Schools
- Hospitals
- Restaurants
- Rest Rooms
- Lobbies
- Pharmaceuticals
- Research Labs.

Substrates

Ultra Flow 2 adheres well to concrete and grano.

Surface Preparation

To be assured of maximum adhesion and properties from

Ultra resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference.

Application Conditions

Ultra Flow 2 is a free flowing liquid which increases in viscosity as the temperature lowers, to ensure optimum finish an ambient temperature in excess of 10°C should be provided. Ideal application temperatures 25°C.

Priming

Ultra Primer at 125g/m². Allow to cure prior to application of Ultra Flow 2.

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 colored. Then add the Ultra Flow 2 aggregate slowly whilst mixing at the same time. Allow to mix for further 3 minutes.

Application Technique

Spread the mixed Ultra Flow 2 to required thickness using a trowel and level using an Ultra 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.

Maintenance

Providing contamination is not allowed to build up, regular scrubbing and mopping will maintain Ultra Flow 2 floors satisfactorily. Ultra Flow 2 floors may be polished back to the original gloss in exactly the same way as vinyl or lino.

Health and Safety

Please read technical data sheet reference TD103 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 reference.



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TECHNICAL DATA

Compressive Strength 55 N/mm² @ 35°C.
ASTM C-109 1 day 6,200 psi 28 days 13,000
psi (89.7 N/mm²)

Flexural Strength 32 N/mm²
Slant Shear Bond 29 Strength N/mm²
Density 2.0

Elastic Modulus 3 kN/mm²

Abrasion resistance

Taber abrader with a H22 wheel 1kg
load

Revolutions: 100 Weight losses: 0.08g

Thermal Cycle 14 days 40°C at 100°C @
24 hour cycle. Showed no de-bonding or
stress

Ease of decontamination to BS4247:
"Excellent" Part 1 Test A

Technical Advice

For further information on this
or any other Ultra product.
please contact our customer
Service.

Chemical Resistance

Excellent chemical resistance.
Acetic Acid, 10%.....excellent
Acetone non-resistance
Alkali'sexcellent
Ammonia ...10%.....excellent
Battery Acid..... good
Beer.....excellent
Bleach.....excellent
Brake Fluid.....good
Butanol good
Citric acidexcellent
Diesel Fuel.....excellent
Ethanolpoor
Ethylene Glycol..... excellent
Gasoline.....excellent
Hydraulic Oil.....excellent
Hydrochloric Acid, 50%excellent
Industrial Methylated spirits.....good
Lactic acid 10% Excellent
MEK.....excellent
Methylene Chloride poor
MIBK poor
Nitric Acid, 25% Good
Oilexcellent
Power Steering Fluid.....excellent
Phosphoric Acid, 50%..... Good
Skydrol.....good
Sodium Hydroxide 50%.....excellent
Sulphuric acid..... 80%excellent
Transmission Fluid.....excellent
Toluene.....good
Urine.....excellent
Xylene.....excellent

Storage:

Avoid to place direct to sun light
and always store in shady areas.

ISO Certification:

Our production facility
at Pakistan is
ISO 9001:2008
ISO 14001:2004
by BUREAU VERITAS
and UKAS Management

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