

# Vuba-Screed Ultracrete



## Product



## Application

### Product Description

Vuba-Screed Ultracrete is a heavy duty polyurethane ased floor screed designed to provide excellent resistance to abrasion, chemical attack and other physical aggression.

### Composition

Polyurethane resin combined with silica aggregates.

### Appearance

A level mottled anti slip aggregate surface with a chosen background colour.

### Durability

Highest order of durability, resistance to abrasion, impact and chemical attack. Capable of withstanding steam cleaning and hot water exposure at a thickness of 9mm.

### Thickness

Typically 6mm or 9mm.

### Typical Installations

Heavy duty and hygienic environments such as: dairies, breweries, chemical processing and general food production.

### Substrates

Concrete, polymer reinforced screeds and grano concrete.

### Surface Preparation

The surface should be solid and free from contamination prior to application. To ensure maximum adhesion and performance from Vuba products the correct preparation methods must be adhered to. Please see our 'Vuba Preparation' Data Sheet for more information. In addition to the aforementioned preparation guidelines, we recommend the installation of rebates running 20mm deep by 8mm wide at 150mm parallel from the perimeter. Rebates will prevent the Ultra lifting or curling at the edges during the curing process.

### Application Conditions

Ultra is a resin based screed and although it will apply and cure above 5°C, an ambient in excess of 10°C is preferable.

### Priming

Surfaces should be primed with Epiprime with medium silica aggregate broadcast into it to give a profile. Allow the primer to cure for at least 12 hours before over coating but not longer than 36 hours.

### Mixing

Agitate the Resin A prior to mixing to ensure an even colour distribution. Thoroughly scrape the contents of Resin A and Activator B containers into the larger mixing tub. Mix using a drill and paddle for 1 minute until a homogenous mix is achieved. Add the Aggregate C component in stages whilst mixing with the mixed resin until a lump free mortar is achieved. Before you start: 1) Make sure the area is ready for application, 2) Ensure your mixing equipment is sufficiently strong for such a large mix, 3) Have Vubasolve standing by to clean your trowel with and 4) Check the bottom of the container for unmixed aggregate.

### Application Technique

Apply to pre-prepared areas using a pin rake or steel flooring trowel. Clean trowel regularly with Vubasolve to prevent sticking and improve surface finish. Lightly roller the finished screed with a medium pile roller to reduce slip resistance.

### Coverage Rates

2.2m<sup>2</sup> per unit @ 6mm  
1.6m<sup>2</sup> per unit @ 9mm

### Specification Detail

Prepare existing substrate in accordance with Vuba Preparation Guide. Prime using the most appropriate primer within our range and leave to cure. Mix and apply Vuba-Screed Ultracrete at the required thickness in accordance with our instructions.

### Maintenance

Vuba-Screed surfaces can be easily cleaned using Supaclean heavy duty alkaline cleaner. Provided contamination is not allowed to build up, regular scrubbing or mopping with normal proprietary cleaning agents will maintain this

system in serviceable condition. Damaged areas of this system should be patch-repaired/ replaced in order to ensure longevity of the work area is maintained.

### Cure Schedule (Assumed 20°C)

Pot life of full unit	15 mins
Light traffic	12 hrs
Full cure	16 hrs

For lower temperatures the times will be extended, and equally shortened for higher temperatures.

### Chemical Resistance

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic hydrocarbon solvents and ester solvents. Limited resistances to ketones and alcohols.

### Colours

Available in the full range of Vuba-Screed colours. See colour chart for more information.

### Technical Data

Compressive strength to BS6319 Part 2	59.0N/mm <sup>2</sup>
Tensile strength to BS2782:320D	6.5N/mm <sup>2</sup>
Flexural strength to A.S.T.M. D790-84a	40.0N/mm <sup>2</sup>
Elastic modulus to BS2782:320D	1350.0N/mm <sup>2</sup>
Slant shear bond strength to BS6319	51.0N/mm <sup>2</sup>
Abrasion resistance by Taber mg loss/1000 cycles/ 1kg load with H10 wheel	900
RRL slip resistance	60 Wet & 80 Dry

### Technical Advice

For further information on this or any other Vuba Supplies product, please contact product purchases on 01482 778897.

### Health and Safety

Please read Vuba-Screed Ultracrete Resin A and Vuba-Screed Ultracrete Activator B Material Safety Data Sheets provided in compliance with the requirements of EC Directive 91/155..