

Polycrete® HF



Polycrete® HF 6 or 9 mm is ideal for areas, which are subject to extremely heavy mechanical or high chemical charges, with hygienic demands, such as dairies, bakeries, breweries, slaughter houses, smokehouses, ovens and cold stores, and generally in the food industry, where steam cleaning is required.

BENEFITS

- ▲ Weatherproof & UV resistant
- ▲ Nonslip finish
- ▲ Seamless and flexible finish
- ▲ Damp proof membrane layer
- ▲ Excellent chemical resistance
- ▲ Fast installation
- ▲ Curing down to -30°C
- ▲ Low maintenance cost

System description

A three component cementitious polyurethane screed.

Application

To provide a heavy duty floor finish with exceptional temperature and chemical resistance. Typical uses are wet and dry process areas with hot liquid spillage, hot water cleaning, heavy traffic, impact and chemical exposure.

Appearance

Polycrete® HF is a coloured smooth floor with white fleck, which is exposed as the surface is trafficked.

Application conditions

Temperature 10°C to 30°C., best 15 to 25°C., max. moisture content in the concrete subfloor 5% by weight.

Colours

See standard shades available in "Colour" range.

Polycrete® HF is not colour stable and may discolour on ageing especially light colours. We recommend therefore darker colours such as Brown Beige, Tomato Red, Leaf Green and Stone Grey where this colour change hardly is noticeable. Product functionality will not be influenced by this.

Temperature Resistance

Polycrete® HF is resistant to temperature cycles up to 130°C dry heat and 100°C. wet heat. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Build Thickness

From 6 - 9 mm acc. to specification.

Life Expectancy

15 - 25 years.

Cleanability

Easy to clean and disinfect due to the smooth surface.

Chemical Resistance

Excellent. Check specific list for details.

Joint Construction

Expansion joints should be continued through the Polycrete® HF. If subfloor movements occurs, the Polycrete® HF will reflect the crack.

Repairs

All damaged areas of floor for instance holes from removal of equipment can be easily repaired. Please note that the floor must be kept dry during repair time.

Important Note

Ulfcar®'s products are guaranteed against defective materials and manufacture and are sold subject to our standard terms and conditions of sale, copies of which may be obtained on request.

Further Information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. Ulfcar® has technical and practical experiences build over many years. You are welcome to call us for advice and technical assistance.

Technical data

	10°C	20°C
Potlife	15 min	10 mins
Light Traffic	36 hrs	24 hrs
Full Traffic	72 hrs	48 hrs
Fully cured	7 days	4 days
Compressive strength	> 55 N/mm ²	
Flexural strength	> 20 N/mm ²	
Tensile strength	> 6 N/mm ²	
Bond strength	> cohesive strength of concrete	
Impact resistance	< 0.5 mm (BRE Screed tester)	
Temperature resistance	up to 130°C at 9 mm	