

# Deckrete HF

Heavy Duty Polyurethane Flooring  
(6 – 10 mm)

## Description

Deckrete HF is water dispersed, polyurethane resin system to provide an anti-slip, easy to clean, dust free floor with heavy mechanical and high chemical resistance.

## Uses

Deckrete HF is widely used on industrial heavy duty industrial areas such as food industry wet process areas, meat and fish processing, processed meals, dairies, breweries and wineries, soft drinks, sugar refineries and confectionery production, chemical production and many more applications.

## Advantage

- Minimum downtime – tolerant of substrate moisture and fast curing
- Non-tainting
- Hygienic – will not support bacterial growth
- Easy to clean (can be steam cleaned)
- Meets EU requirements for food plants
- Extremely tough and hard wearing
- Highly temperature and thermal shock resistant
- Highly impact resistant
- Resistant to almost all chemicals
- Non-dusting

## Standard Color

Available in standard colors, other colors can be matched upon request.

## Appearance

Deckrete HF is a matt color, anti-slip floor with white fleck, which is exposed as the surface is trafficked.

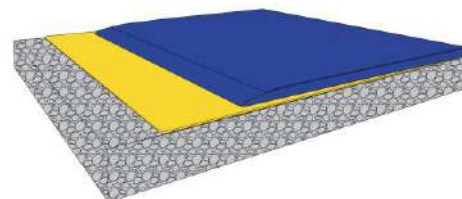
## Design Life

15 – 20 years, subject to proper maintenance.



Physical Properties	
Compressive Strength (ASTM C 109)	65 N/mm <sup>2</sup>
Flexural Strength (ASTM D 790)	16 N/mm <sup>2</sup>
Adhesive Strength (ASTM C 321)	>2.5 N/mm <sup>2</sup>
Tensile Strength (ASTM D 638)	7 N/mm <sup>2</sup>
Dynamic E Modulus (ASTM C 597-83)	20,000 N/mm <sup>2</sup>
Abrasion Resistant (ASTM D 1044) Taber H-22	950 mg/1000 cycles/1kg
Coefficient of Thermal Expansion (ASTM C 531)	2.1 x 10 <sup>-5</sup> / °C
Thermal Conductivity (BS 874)	0.84 W/m °C
Water Absorption (CP.BM 2/67/2)	0 ml
Temperature Resistant	Dry -40 to 130°C Wet -40 to 100°C

## System Design



- Deckrete HF
- Deckrete EP
- Substrate

Specification Detail	Coverage
Deckrete EP	0.2 kg/m <sup>2</sup>
Deckrete HF (8mm)	16.8 kg/m <sup>2</sup>

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from dust, loose particles and contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance. Substrate moisture levels should be no greater than 75% RH. BS 8204 SR 2 – 5 mm at every 3 meter.

## Application

Please read Deckrete HF Method Statement for requirements of surface preparation, mixing and application.

Cure Schedule	35°C
Light Traffic	12 hours
Full Traffic	24 hours
Full Chemicals Cure	5 days

## Maintenance

Regular cleaning of Deckrete HF may be carried out using a rotary scrubbing machine with a water miscible cleaning agent.

## Temperature Resistance

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

## Chemical Resistance

Please refer to the (Chemical Resistance Chart) for actual resistance to specific chemicals / reagents.

## Joint Construction

Expansion joints should be continued through the Deckrete HF. If substrate movements occur, the Deckrete HF will reflect the crack.

## Technical Support

TOPKRETE offers a comprehensive range of high performance, quality products. TOPKRETE offers a technical support package to specifiers and contractors which include assistance with product selection and technical advice from staff with unrivalled experience in the industry.

## Health & Safety

For further information, refer to the product Material Safety Data Sheet, available upon request.

## Additional Information

Topkrete manufacturers and offers a wide range of complementary products which include water stop, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

## Warranty

Topkrete warrants its product to be free of defects. Under the warranty, we will provide at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when used in strict accordance with our published recommendations and applications, considered by us as suitable for this product. This warranty is in lieu of any and all other warranties, expressed or implied, and in no case will Topkrete be liable for incidental or consequential damages.

### Important note

Topkrete products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Topkrete endeavors to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

## Topkrete Sdn Bhd (597943-M)

Office : 19-G, Blok A, Jalan Atmosphere 3,  
Pusat Perniagaan Atmosphere,  
Bandar Putra Permai,  
43300 Seri Kembangan,  
Selangor Darul Ehsan. Malaysia  
Tel: +603- 8957 8999 Fax: +603-8959 1661  
Email: info@topkrete.com  
www.topkrete.com

Factory : No.3, Jalan Utama 1/12,  
Taman Perindustrian Puchong Utama,  
47100 Puchong,  
Selangor Darul Ehsan. Malaysia.  
Tel : +603-8063 1883  
Fax: +603-8063 1983  
Email: info@topkrete.com  
www.topkrete.com