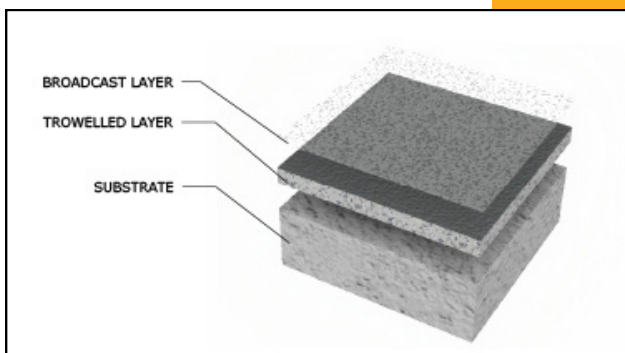


Technical Data Sheet



eurocrete HD

Heavy-Duty Hygienic Polyurethane Flooring
(Formerly HF)

eurocrete HD is a high-performance polyurethane cement flooring solution, built for extreme durability and hygiene. Applied at a thickness of 1/4" to 3/8", it offers unmatched resistance to physical and chemical wear, lasting over 10 years with minimal maintenance. This heavy-duty flooring outperforms concrete by protecting against impact, abrasion, thermal shock, and steel-wheeled traffic.



Classic Red



Grey



Chemical Resistant

Resistant to fats, oils, blood, sugar, and acids.



Slip Resistant

Positive texture to minimize slip hazards in wet environments.



Physical Resistance

Resistant to wheeled traffic, impacts, and abrasive use.



Easily Cleaned

Cleaning can be done with standard method and materials.

Physical Data

Compression Strength:	ASTM C 579	8,000 psi
Tensile Strength:	ASTM C 309	850 psi
Flexural Strength:	ASTM C 580	2,900 psi
Coefficient of Thermal Expansion:	ASTM D 2047	1.1 x 10 ⁻⁵ in/in/°F
Abrasion Resistance:	ASTM D 4060 CS 17 Wheel, 1000 cycles	0.05g loss
Adhesion	ASTM D 4541	2.7 MPa (substrate failure)
Softening Point:		126°C / 260°F

Cure Schedule

Time to light traffic:	4-6 hr
Time to light wheels:	12-16 hr
Time to normal traffic:	24 hr
Time to heavy duty traffic:	3-5 days

Applications

eurocrete HD is ideal for industries such as food processing, pharmaceuticals, chemicals, and other manufacturing sectors where corrosive or organic liquid spills, high physical wear, microbial control, and frequent high-temperature washdowns are common.

It's also used for sloping and backfilling for time-sensitive projects, and general concrete repairs.

Typical users include food processing facilities, dairies, breweries, and commercial kitchens and various other Industrial facilities.

Installation

Refer to Installation Guide.

Physical & Chemical Resistance

eurocrete HD does not support microbial growth, and has physical properties which are approximately double that of concrete. It will tolerate a wide range of organic and inorganic acids, alkalis, and salts. It has a high bond strength that can withstand steam cleaning and thermal cycling.

Cleaning & Maintenance

Cleaning is straightforward and can be done with standard methods and materials. Regular cleaning is recommended in order to maintain a clean, slip resistant, enhanced appearance and to reduce any tendency to retain dirt. Normal cleaning agents in combination with pressure washing or steam cleaning may be used.

Health & Safety

Refer to SDS

Appearance

Trowel applied and broadcast with quartz to produce a heavy-duty, anti-slip surface with a matte finish. A top coat with eurocrete TC can be applied to create a smoother texture.

Durability

eurocrete HD offers the highest level of durability available, with a lifespan of ten or more years in the toughest of environments. It is totally non-porous, has excellent chemical resistance, and its surface profile ensures slip resistance, even in wet process areas. It is impervious to substantial impact, abrasion, chemicals, and steel-wheeled traffic.

Substrates

The success of Eurocrete's flooring systems is dependent upon the proper preparation of the substrate, which can be concrete, polymer reinforced screeds, wood, or steel. Although various methods are acceptable, captive shot blasting or diamond grinding are the preferred methods since both abrade the substrate and remove any latent materials that could impede adhesion.

Thickness

It is generally laid between 1/4" and 3/8" thick. However, eurocrete HD can be laid up to 1" on each pass.

Eurocrete is a division of Bedford Industries Ltd.
PO Box 573 Fort Langley, BC V1M 2R9
Tel: 604-513-5855
Chemtrec 24 hour hotline: 1-800-424-9300
sales@eurocrete.com
www.eurocrete.com