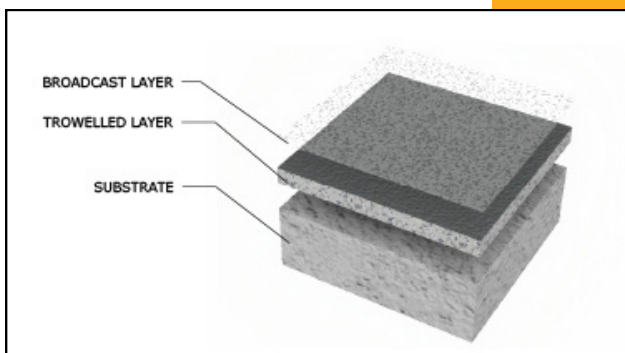


## Technical Data Sheet



### eurocrete RT

Heavy-Duty Hygienic Rake and Trowel Polyurethane Flooring

(Formerly HFS)

**eurocrete RT is a high-strength polyurethane cement flooring system designed for environments demanding exceptional durability and chemical resistance. Applied at a thickness of ¼" to ¾", this advanced flooring solution outperforms traditional concrete, offering a service life exceeding 7 years under extreme operational conditions.**



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 any method and standard materials.

### Physical Data

|                                   |   |                                 |
|-----------------------------------|---|---------------------------------|
| Compression Strength:             | ASTM C 579                              | 8,000 psi                       |
| Tensile Strength:                 | ASTM C 309                              | 975 psi                         |
| Flexural Strength:                | ASTM C 580                              | 2,900 psi                       |
| Coefficient of Thermal Expansion: | ASTM D 2047                             | 1.1 x 10 <sup>-5</sup> in/in/°F |
| Abrasion Resistance:              | ASTM D 4060<br>CS 17 Wheel, 1000 cycles | 0.07g 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 RT is an ideal mortar for all concrete substrates and (up to) 1.5% slope grades. This proprietary system is especially useful when working under and around difficult pieces of stationary manufacturing or processing equipment. For added clean-ability, eurocrete TF can be applied as a top coat to lock in the broadcasted surface.

## Physical & Chemical Resistance

eurocrete RT 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.

## Installation

Refer to Installation Guide.

## Cleaning & Maintenance

Cleaning is straightforward and can be done with any method and any materials. Regular cleaning is recommended in order to maintain a 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

See SDS sheets.

## Appearance

Rake and Trowel applied to produce a heavy-duty, anti-slip surface with a matte finish.

## Durability

eurocrete RT offers the highest level of durability available, with a lifespan of seven 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 our flooring system is dependent upon the proper preparation of the substrate, which can be concrete, polymer reinforced screeds, grout concrete, 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 3/16" and 1/2" thick.

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