

System Data Sheet

Barrikade EP-Multiflex**Barrikade®**

Flexible epoxy coating

Product Description

Barrikade EP-Multiflex is a pigmented, seamless flooring system based on a solvent-free flexible elastomeric epoxy resin compound, dressed with sand and thereafter sealed with a pigmented epoxy resin.

This flexible system offers many advantages over traditional rigid binders and coatings:

- improved impact resistance and protection
- crack bridging properties
- the ability to absorb stress within the surface layer preventing premature failure at the interface
- they may be applied to soft surfaces such as asphalt
- have good noise reduction factors

Areas of use

Barrikade EP-Multiflex is suitable for areas with soft surfaces as asphalt, but also concrete, steel, waterproofed plywood and hardboard to withstand impact loads and thermal chock.

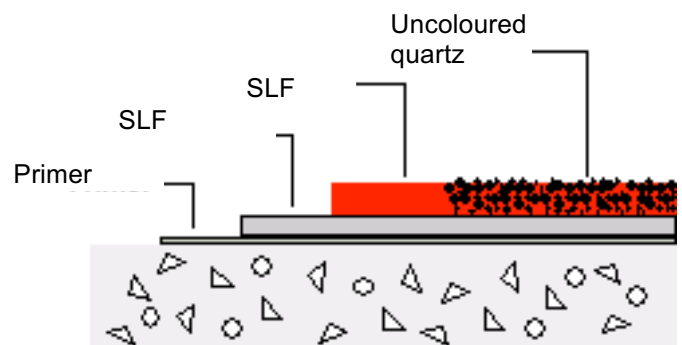
Typical areas of use are warehouses, parking decks, boat decks, platform decks and heavy engineering.

Properties

Chemical: **Barrikade EP-Multiflex** provides seamless and water tight finish with good chemical resistance to most chemicals such as alkalis, oils, fats, salt, but limited resistance to acid in high concentrations.

Mechanical: **Barrikade EP-Multiflex** has very good mechanical properties and is hard wearing. The system can be supplied with different grades of filler.

Thermal: **Barrikade EP-Multiflex** has very good resistance to thermal chock.

System build up

- 1 layer of **Barrikade EP-PB** or
- 1 layer of **Barrikade EP- Steel Primer** if steel
- 1 layer of **Barrikade EP-SLF I** and graded quarts
- 1 layer of **Barrikade EP-SLF II**

Technical data

Abrasion resistance, BS 8204:	0,31 class AR3
Impact resistance, ISO 6272:	Approved
Compression strength: <small>Deformed due to elasticity</small>	Deformed
Skid resistance, BS 8204-2: <small>For approved wet > 40 is required</small>	72
Adhesion, CEN TC 125/N 85:	
- concrete	100% concrete failure
- fully cured epoxy:	100 % concrete failure
- steel:	2,80 N/mm ²
Elongation:	SLF I, 50% SLF II, 26%
Maximum mechanical and chemical properties	After 7 days

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