

## System Data Sheet

**Barrikade EP-Multi HD****Barrikade®**

Epoxy coating with extreme durability

**System description**

**Barrikade ACR-Decor** is a seamless acrylic coating for floors in industry and commercial buildings. The system consists of well graded coloured quartz sand, mixed with a clear (transparent) binder that is sealed with a very hard wearing and chemical resistant top coat. The system is applied in 3-8 mm thicknesses. The system can be delivered in a range of colour combinations.

**Advantages**

- Rapid installation
- Can be applied at low temperatures
- Hard wearing
- Very good chemical resistance
- Good resistance against thermal shock when applied with large thickness
- Decorative finish
- Low yellowing
- Very hygienic

**User areas**

**Barrikade ACR-Decor** is used in commercial buildings and industry where a nice looking, hygienic, seamless and hard wearing floor is required, and where this needs be installed at shortest possible time. It is also used where there is a demand for a particular chemical resistance and where thermal loads occur.

- Food industry
- Large kitchens
- Chemical industry
- Process industry
- Retailing

**Properties**

**Chemical:** **Barrikade ACR-Decor** gives a waterproof, seamless surface with good chemical resistance, specially against organic acids and fats, such as milk acid, animal and vegetable fats.

**Barrikade ACR-Decor** is resistant against petrol and oil, but has limited resistance against strong solvents.

**Mechanical:** **Barrikade ACR-Decor** generally has very good mechanical properties and is very hard wearing.

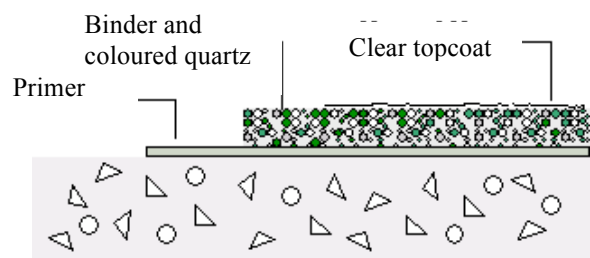
**Barrikade ACR-Decor** does not contain external flexibilizers that can change the properties of the coating over time.

**Thermal:** **Barrikade ACR-Decor** has due to the binder/sand ratio good resistance against thermal loads.

A thickness of 6-8 mm, will improve this property and is recommended in floor areas with high thermal loads.

**System build up**

- Acryl primer
- Mortar of Acryl-binder and coloured quartz applied by trowel
- Topcoat of Acryl

**Technical data**

Properties Barrikade ACR-Decor		
<b>Abrasion resistance, ASTM D 1242-56:</b>		
1000 rotations:	Loss of thickness	0,87 mm
	Loss of weight	5,83 g
2000 rotations:	Loss of thickness	1,70 mm
	Loss of weight	11,90 g
<b>Indentation resistance, NT BUILD 042:</b>		
10 N	0 sec.	0,08 mm
10 N	30 sec.	0,01 mm
500 N	30 sec.	0,158 mm
<b>Adhesion to substrate, CEN TC 125/85N:</b>		
Concrete C-35	100 % failure in concrete	
Steel	3,38 N/mm <sup>2</sup>	
<b>Compressive strength, DIN 1164:</b>		60/88 N/mm <sup>2</sup>
<b>E-modulus, DIN 1164:</b>		3-5000 N/mm <sup>2</sup>

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