

System Data Sheet

Barrikade PU-Screed Multi**Barrikade®**

Polyurethane slurry system

Product Description

Barrikade PU-Screed Multi is a water based polyurethane screed for floorings in industry with aggressive environments. The system is hard-wearing, has high temperature and chemical resistance.

Barrikade PU-Screed Multi provides a matt, anti-slip and seamless flooring. Can be supplied in red, grey and yellow.

Areas of use

Barrikade PU Screed Multi is especially designed for areas with high chemical, thermal and mechanical stress such as food, chemical and process industry. Can be used where a decorative hard-wearing, chemical resistant and seamless floor is required. The system provides high resistance against chemical, thermal and extreme mechanical (impact) stresses, and gives an anti-slip, water tight seamless flooring with excellent hygienic properties.

Properties*Chemical:*

Barrikade PU-Screed Multi provides seamless and watertight finish with good resistance to a wide range of chemicals. Intended for areas exposed to alkalies, oil, fats and aromatic and aliphatic solvents. Excellent resistance against organic and inorganic acids. See resistance list. Discolouring can appear when exposed to chemicals.

Mechanical:

Barrikade PU-Screed Multi is hard-wearing, and has high mechanical impact resistance.

Thermal:

Barrikade PU-Screed Multi has excellent resistance against thermal shock (steam cleaning and hot/cold water cycles) due to the thickness and design. 9 mm is resistant against boiling water at 120°C.

Substrate / surface preparation

The surface shall be clean, dry and free from oil, fat and other friable particles. Pretreat with scabbing, diamond grinding or shot blasting.

Barrikade PU-Screed Multi must be anchored to the floor by saw cutting at 20 mm deep and 8 mm wide cracks along the walls (approx. 15 cm from walls, doors etc.). The material must be applied in full depth of the saw cut. Same procedure is used around drains, pillars etc.

Product profile

PU-Screed: **Barrikade PU-Screed SL23/SL45 (4 mm)**
Barrikade PU-Screed SL45 (5-7 mm)
Barrikade PU-Screed SL45/RS69 (8-9 mm)

Sand: **Natural Quarz**

Top Coat: **Barrikade PU-Screed SL12**

Technical data

Properties	PU-Screed Multi
Pot-life at 20°C:	15 minutes
Drying time at 20°C:	4-6 hours
Curing time at 20°C:	
Medium traffic	12-15 hours
Heavy traffic	24 hours
Compressive strength EN 13892-2:	51 MPa
Tensile strength EN-ISO R527:	8 MPa
Bond strength to concrete EN-13892-8:2003:	4,08 N/mm ²
Water resistance EN-1062-3:2008:	0,095 kg/(m ² xh ^{0,5})
Storage:	Maximum 3 months

The technical data presented here, as well as our instructions and recommendations, are based on numerous tests and on our experience. They are intended to assist the user in finding the most suitable working method and obtain the best possible results. Since the user's working conditions are beyond our control, we cannot accept responsibility for the result the user obtains when using the product. Whenever in doubt – please contact us!

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