

Note on English translation:

This is a translation of the technical data sheet valid in Iran.

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Technical Data Sheet

2024-2025

Kplus Blue Waterproofing

Liquid applied water impermeable

Product description

Kplus waterproofing sealant is a ready-to-use sealing compound on a synthetic latex and inert filler basis. It is solvent-free and physiologically inert. A flexible, water impermeable layer is formed by drying of the compound.

Storage

Store Kplus waterproofing sealant protected against frost. It can be stored for up to approx. 18 months in the original sealed container.

Field of application

Kplus waterproofing sealant is used for composite sealing under tiles and board linings.

It adheres to almost all surfaces such as concrete, light concrete, aerated concrete, lime plaster, cementitious plasters and gypsum plaster, gypsum boards, gypsum fiberboards and cement boards, masonry, stone, timber, chipboard and wood fiberboards, rigid foam boards, old tiling, calcium sulphate flowing screeds, mastic asphalt screed, magnesite floor screed and cementitious screeds. suitable for Bathrooms and wet rooms and drywall construction.

Area of application

Damp and wet rooms without pressure exerting water, such as in bathrooms, kitchens, showers in residential buildings, in hotels, wellness areas, residential care homes and hospitals.

Intended for indoor application.

Properties and added value

- Easy to apply, does not drip off on vertical surfaces thanks to its thixotropic setting
- Good adhesion for all common substrates
- Solvent-free
- Impermeable to water, resistant to aggressive water, microbial resistant
- Permeable to water vapour, only minimal water vapour retarding characteristics
- High expansion capabilities and also suitable for application on underfloor heating systems
- Temperature-resistant up to approx. +80°C
- High resistance to ageing
- Crack-bridging for optimum protection

Application

Substrate

The substrate must be stable, clean, dry, and free of oil, grease and release agents. Remove loose parts such as dust, paint and mortar residues.

Seal cracks, joints and flaws with a frictional bond before sealing.

Ingress of moisture from the substrate, for example through the exterior walls or the floor must be excluded.

Application

Stir before use.

Prime the substrate with Kplus waterproofing sealing primer (diluted 1:4 with water), Apply the primer with a lambskin roller, brush or spatula and allow to fully dry.

Kplus waterproofing sealant is applied without application of a primer. The first, undiluted coat is applied with a spatula. At least two further undiluted coats are required.

Embed Kplus waterproofing sealing tape along the wall/wall and wall/floor connections into the first undiluted coat and push it in for an even surface.

The first coat of Kplus waterproofing sealant must be applied generously and to the full surface undiluted with a lambskin roller, brush or spatula. After the first coat (approx. 2–3 hours) has fully dried, apply the second coat similarly. Before applying tiles, allow Kplus waterproofing sealant to fully dry (approx. 6 hours).

For porous substrates such as aerated concrete, an undiluted triple-layer application is recommended.

Adhere to the minimum application quantity (see material requirement), wet layer thickness 0.8 mm to ensure that the minimum dry layer thickness of 0.5 mm is archived.

Application time

Only apply the next coating when the previous coating is fully dry.

Minimum waiting time:

Approx. 2–3 hours (at +23°C. and %50 relative air humidity). The drying time is extended with higher levels of air humidity or lower temperatures

Application temperature/climate

Ambient and substrate temperature during application: +5°C to +25°C (favorable: more than +10°C

Notes

Ready-to-use dispersion adhesive or reaction resin adhesive are not suitable for use on Kplus waterproofing sealant.

Drying time before tiling approx. 6 hours (at 23°C and 50 % relative humidity).

Kplus waterproofing sealant may not be used as a wearing surface or in permanently wet areas.

Technical specifications

Description	Unit	Value
Application/substrate temperature	°C	+5 to +25
Wet film thickness	mm	approx. 1.1
Dry film thickness	mm	approx. 0.8
Dilution: • Used as primer: • Used as waterproofing film, each coat of paint:	-	1:4 with water undiluted
Drying time: • Used as primer: • Used as waterproofing film: • before laying tiles:	-	Approx. 3h each approx. 3h at least. 12h
Temperature resistance range after drying	°C	-20 to +80

Packaging

Description	Consumption approx. in kg/m ²	
	per coating	Total (3 coats)
at smooth substrates (e.g Kplus boards)	250-300	750-900
at rough, porous substrates (e.g. concrete)	300-450	900-1400

The material requirement depends on the roughness and absorption properties of the substrate as well as the required effectiveness of the sealing.

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