

Knauf
Shower Waterproofing Set
 Complete Waterproofing System for Showers



Technical Data Sheet 08.03



- Fields of application:**
- m Use on **walls** and **ceilings**
 - m Use **indoors**
 - m For a **waterproof and elastic sealing** of substrates before laying tiles in damp rooms (e.g. showers) and in other rooms with **moisture-resistance grade I to II**
 - m **Adheres on almost every substrate** such as concrete, aerated concrete, lime-, cement-, and gypsum plaster, gypsum-, gypsum fiber-, and cement boards, brickwork, stone, wood, particle boards, wood fiberboards, anhydrite- and cement screeds
 - m **For sealing flexible under tiles and tile coverings on substrates** which are under thermal stress (e.g. floor- and wall heating systems)
- Properties:**
- m **Crack-bridging up to 2 mm:** high safety even at cracks that appear later
 - m **High water barrier** prevents penetration of water into the ground
 - m **Easy to apply:** to apply or to fill using a plastic-, lambskin roller, brush or puff
 - m **Ready-made and solvent free. Compatible to silicone**
 - m Knauf Dushdicht **corresponds to the requirements of the ZDB-explanatory leaflet:** „Recommendations for sealing in connection with coverings of ceramic- and other tiles for interior and exterior application“(state July 2001)
 - m **Content:** Ready-made **bitumen-free Knauf Dushdicht / Shower Waterproofing, Knauf Dushdichtband / Shower Waterproofing Tape** and **two Knauf Dichtmanschetten / Pipe lead-in Tapes**

Technical data:

Application data

Processing- /surface temperature:	+5°C to +25°C
Thickness of wet layer:	approx. 1,1 mm
Thickness of dry layer summed up:	approx. 0,8 mm

<i>Dilution:</i>	
§ when using as a primer painting:	1 : 4 with water
§ when using as blocking painting each:	not diluted
<i>Drying time*</i>	
§ at primer painting**:	approx. 3 hours
§ at blocking painting:	each approx. 3 hours
§ before tiling:	approx. 12 hours
<i>Consumption per blocking coat and m²</i>	
§ on rough, porous substrates:	
§ on smooth substrates:	approx. 300 to 450 g / m ² approx. 250 to 300 g / m ²
<i>Complete consumption each m²</i>	
§ on rough, porous substrates:	approx. 900 to 1400 g / m ²
§ on smooth substrates:	approx. 750 to 900 g / m ²
<i>Range</i>	
§ 5 kg bunch**:	approx. 3,5 to 5,5 m ²
<i>Temperature resistance after drying:</i>	
	-20°C to +80°C

*Approximate value at +23°C and 50%humidityt.
**Depends on the absorbency of the surface.

Material data

<i>Material basis:</i>	Watery dispersion of synthesis latex and inert fillers
<i>Ph-value:</i>	approx. 8,5 to 9,5
<i>Tightness:</i>	approx. 1,55 kg/l
<i>Viscosity:</i>	approx. 15.000 mPa·s
<i>S_d-value</i>	approx. 1,5 m
<i>Color:</i>	Blue
<i>Odor:</i>	low
<i>Shelf life</i>	Minimum 12 months
<i>Storage conditions</i>	Dry, cool and free of frost.
<i>Delivery form:</i>	5 kg PE-bucket

Ident.-Nummer / EAN-Code

Set: 8009 / 4006379045136

Material safety data in accordance with GefStoffV (catalogue of hazardous materials)

No dangerous contents, no labeling required for product

Security hints concerning contact with skin and eyes

Do not let Knauf *Duschdicht / Shower Waterproofing* dry on skin. Clean with water and soap before. If danger of sprinkling water protect eyes. When contact with eyes happens rinse thoroughly under flowing water. When you have noticeable consequences consult a doctor

Substrate:

Knauf *Duschdichtset / Shower Waterproofing Set* requires a solid substrate that is clean, dry and free of all kinds of oil, grease, wax, curing compounds, latex compounds and all foreign matter. Incoherent parts such as dust, varnish- and mortar rests must be removed

Cracks and joints in the substrate must be filled. Unevenness in the substrate must not be filled with Knauf *Duschdicht / Shower Waterproofing*. They should be filled with Knauf *Universalspachtel schnell / Universal Spatula fast curing* (in case of cement based substrates) or Knauf *Uniflott impregnated* (in case of gypsum based substrates) before the application of

Knauf Duschdicht / Shower Waterproofing

If the substrate is primed with Knauf *Tiefengrund / Primer* priming of the substrate with diluted Knauf *Duschdicht / Shower Waterproofing* is not necessary.

Chalking substrates should be primed with Knauf *Tiefengrund / Primer*

Water-resistant paints must be sanded and cleaned from dust. They also should be primed with Knauf *Tiefengrund / Primer*

Prime porous substrates like pore concrete with Knauf *Spezialhaftgrund / Special Bonding Primer*

Ascending moisture coming e.g. from exterior walls or from the floor must be excluded

Cement based screeds are not allowed to have more than 2%, gypsum based screeds not more than 0.5%, plasters not more than 1% and heated substrates not more than 0.3% residual moisture. Plasters must be applied regarding DIN 18550

Application:

In order to waterproof substrates one priming coat (not necessary if the substrate is primed with Knauf *Tiefengrund / Primer* or Knauf *Spezialhaftgrund / Special Bonding Primer*) and at least two entire coatings with undiluted Knauf *Duschdicht / Shower Waterproofing* are necessary. The final coating must have the minimum thickness over the entire area given in table: application data

Before use: Stir Knauf *Duschdicht / Shower Waterproofing* very well

Priming coat: Prime the substrate with Knauf *Duschdicht / Shower Waterproofing* (1 part Knauf *Duschdicht / Shower Waterproofing*, 4 parts water)

Waterproofing coat (2 to 3 coatings): Upon complete drying of the priming coat the first waterproofing coat is applied with a paint roller, paint brush or a spatula. The coating should be applied luscious (but not too thick) and thoroughly over the entire area. The consumption required please find in table application data

In the area of wall/wall- and wall/floor-connections as well as corners Knauf *Duschdichtband / Shower Waterproofing Tape* is laid and pressed in the fresh, first waterproofing coat. Pipe lead-ins and floor drains are sealed the same way by using Knauf *Dichtmanschetten / Pipe lead-in Tapes*

Apply the second and third waterproofing coat after complete drying of the prior coat. At least drying time: approx. 3 hours (at +20°C and 50% rel. humidity). Higher humidity and lower temperatures lead to longer drying and curing times.

In case of porous substrates three coatings with undiluted Knauf *Duschdicht / Shower Waterproofing* are recommended

Minimum film thickness must be observed (see table application data). A higher film thickness leads to long drying times. The application of Knauf *Duschdicht / Shower Waterproofing* in several coating steps should be preferred

Laying tiles:

Upon complete drying (at least 12 hours after the application of the last coat) the substrate is ready to receive ceramic tiles or natural stones. For laying tiles a water-resistant, hydraulic setting, flexible tile adhesive (e.g. Knauf *Flexkleber 25plus / Flexible Tile Adhesive 25plus* must be used. To fill the grouts a flexible grout mortar (e.g. Knauf *Flexfuge schnell / Flexible Grout Mortar fast setting*) is recommended

PLEASE NOTE: Ready mixed dispersion tile adhesives like Knauf *Superkleber / Super-Adhesive* are inapplicable on Knauf *Duschdicht / Shower Waterproofing*. This is due to the long drying times of such kind of adhesives

Further information:

- ! Do not use Knauf *Duschdicht / Shower Waterproofing* at ambient and / or substrate temperatures below +5°C or above +30°C. High ambient temperatures or heated substrates will shorten the application time considerably. Direct sunlight and draughts should be avoided during application.
- ! Apply Knauf *Duschdicht / Shower Waterproofing* always on the side of the construction which is exposed to moisture
- ! No other pigmenting agent except for Knauf *Compact-Color* should be mixed with Knauf *Sperrgrund Block & Bond*

- m Do not mix Knauf *Duschdichtdicht / Shower Waterproofing* with other materials than water and in maximum 6g Knauf Compact Color (per 5kg bucket Knauf *Duschdichtdicht / Shower Waterproofing*)
- m Knauf *Duschdichtdicht / Shower Waterproofing* can be tinted in order to differ the different coatings. For this purpose Knauf Compact Color can be used
- m Never damage the waterproofing coating! A treatment with sharp-edged or spiky objects must be avoided. There fore Knauf *Duschdicht / Shower Waterproofing* is not recommended as a final surface
- m Tiling must occur with solvent free, hydraulic curing tile adhesives. Ready mixed dispersion tile adhesives cannot be used
- m Before the application of the 2nd or 3rd coating as well as before the setting of tiles, the coatings applied prior have to be cured and dried completely
- m Clean all application tools immediately after onsite operations with sufficient warm water. After curing the successful removal of Knauf *Duschdicht / Shower Waterproofing* might only occur mechanically

Limitation in applying:

- m Knauf *Duschdicht / Shower Waterproofing* is not approved to be used in durable ponded water areas such as drinking water reservoir, fountains and swimming pools
- m Knauf *Duschdicht / Shower Waterproofing* is not approved to be used in earth touched areas

Notes:

Knauf Bauprodukte GmbH
Postfach 10
D-97343 Iphofen

Knauf-Beratungszentrale:
Technical advice:
Internet:
Email:

0180 / 5 31-9000 (0,12 €/min)
www.knauf-bauprodukte.de
info@knauf-bauprodukte.de

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With this technical data sheet every prior data sheet is void.

Iphofen, May 2008