

Knauf

Block and Bond

against yellowing, nicotine-, soot-stains

KNAUF

Technical Data Sheet 10.05



- Fields of application:**
- m For **walls** and **ceilings**
 - m For **interior** application
 - m For **full-surface priming on almost all building substrates**
 - m **Special primer** prior the application of **mineral based decorative plaster, synthetic resin plasters, dispersion-based plasters, etc.**
 - m For an **optimal adhesion** of mineral based decorative plasters, coatings, etc. (e.g. Knauf EASYPUTZ plaster)
 - m Ideal for application on **gypsum-, gypsum fiber boards** as well as on lime cement- and gypsum plasters
- Properties:**
- m **Reduces the absorbency of substrate** and **ensures optimal application and texture properties**
 - m **Highly effective stain block** against any kind of **discoloration** (nicotine, soot, yellowing)
 - m **White colored through mineral color pigments** against translucence. For an **even coloring** when priming
 - m **Open to vapor diffusion**
 - m **Ready- made and solvent- free:** especially environmentally friendly and easy to apply

Technical data:

Application data:

	Knauf Primer
<i>Processing temperature:</i>	+5°C to +30°C
<i>Dilution:</i>	Ready-to-use, undiluted
<i>Drying time**</i>	approx. 6 hours
<i>Consumption per m²:</i>	approx. 250 g m ²
<i>Range</i>	
§ 5 kg bucket:	approx. 20 m ²
<i>Temperature resistance after drying:</i>	-20°C to +80°C

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

Material data

<i>Material basis:</i>	Watery dispersion of acrylic-ester and very capillary acrylic acid esters.
<i>ph-Value:</i>	approx. 7 to 8
<i>Color:</i>	white
<i>Odor:</i>	Very weak
<i>Shelf life:</i>	12 months at minimum
<i>Storage conditions:</i>	Cool and dry
<i>Delivery form:</i>	5 kg PE-bucket

Ident.-Nummer / EAN-Code

5 kg: 89139 / 40 06379 06769 5

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 Block and Bond* dry on skin. Clean with water and soap before. If danger of sprinkling water protect eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- Substrate:** Knauf *Sperrgrund / Block and Bond* can be applied on almost all substrates which are normally used in building
- The substrate has to be stable, dry, hard, clean, free of dust and separating agent
- Remove non waterproof coatings and other residues which reduce adhesion such as wallpaper, wallpaper glue, etc.
- Sand waterproof coatings
- Waterproof chipboards (V100) have to be screwed and glued bend-resistant in groove and tongue. Decouple with e.g. Knauf plaster boards when applying on wall surfaces
- Fill joints planar when applying on brick and block masonry – depending on requirements of the surface. For filling joints use Knauf *Flächendicht* (prime with Knauf *Haftemulsion* before, diluted 1:4 with water)
- Remove existing decorative plasters or overcoat them with Knauf *Flächenspachtel*. Prime with Knauf *Primer* before over-coating
- Checking the load-bearing capacity of the substrate before using Knauf Sperrgrund Block & Bond:**
- Use the **Scratch Test** to check if the substrate is load-bearing or not, or if load-bearing properties have to be renewed in any way. For instance, score the substrate by running a screwdriver through it. The depth of entry of the tip of the screwdriver will give you an indication of the strength of the substrate: the deeper the scoring mark, the lower the substrate strength. In the case of large scores (cuts with screwdriver), renew the strength of the substrate before applying Knauf Sperrgrund Block & Bond.
- Use the **Rub Test** in order to check the texture of the substrate as related to dust, dirt, or chalk coats. Run your palm over the substrate. If your palm is covered with a chalky coat, the substrate cannot bear loads. Hence, clean the substrate thoroughly before applying Knauf Sperrgrund Block & Bond.
- Use the **Tape Test** to test the load-bearing properties of the topcoat of the substrate. Stick a piece of tape, for instance 3M Scotch Brand Tape, 2.5 cm wide, on the substrate. After waiting for a few moments, pull off the tape rapidly. If the topcoat of the substrate comes off easily, renew the topcoat completely before applying Knauf Sperrgrund Block & Bond.
- Use the **Water Test** to test the waterproof properties of the substrate. Wet a standard brush with water. Moisten a small area of the substrate with the wet brush. Allow the water to work on the area for a few moments. Then rub your palm across the wet area. If your hand is smeared or coated with paint, the substrate should be categorised as being unsuitable for plaster, levelling, or tiling. Renew the substrate thoroughly before using Knauf Sperrgrund Block & Bond.
- Priming:** Knauf *Block and Bond* is ready-made and must not be diluted
- Diluted Knauf *Block and Bond* reduces effect of block and bonding nicotine, soot and yellowing
- Stir Knauf *Block and Bond* well before use. Stir again after brakes
- Prime with Knauf *Haftemulsion* on highly absorbent substrates
- Application:** Apply Knauf *Primer* luscious with an axing brush, mason puff, roller, etc. and brush well. Avoid building of puddles. Expose overlaps thoroughly.
- Prime twice on highly yellowed substrates as well as on substrates which are burdened by nicotine, soot etc. (apply crosswise with a 6 hours drying time between cotings)
- Further information:**
- m The material, ambient and background temperatures must not fall below +5°C and climb above +25°C
 - m High ambient air temperature or rather heated surfaces reduce the processing time. Low ambient air temperature or rather high humidity extend the processing time.
 - m Tint Knauf Sperrgrund in the same color shade when applying on colored coatings
 - m Period between drying time of Knauf *Block and Bond* and following working processes should be as short as possible

