

## KÖSTER® BK 1000

### Transparent balcony coating

#### **Product Description:**

Turkish product name > KÖSTER BK 1000

KÖSTER BK 1000 is a one part, aliphatic polyurethane based, liquid applied water proofing material. After application the material cures with air moisture to form a seamless, elastic, crack bridging and walkable membrane.

The cured membrane has high adhesion strength to tiles, glass tiles, concrete, cement screed, timber and fiber cement surfaces.

KÖSTER BK 1000 is resistant to water contact, weather conditions, sunlight, abrasion (foot traffic) and thermal variations (-30 to +80 °C service temperature).



#### **Applications:**

Seamless water proofing coating on terraces, balconies and wet rooms, also on tiles and glass surfaces. Suitable for use in foot traffic areas. Can be applied on tiles, ceramic surfaces, glass and glass tiles, concrete, cement screed surfaces.

KÖSTER BK 1000 must not be applied directly in swimming pools and water tanks, but can be applied on surrounding areas.

#### **Technical Data:**

Viscosity (+20°C) app. 1300 mPa.s

Color transparent

Density (+20°C) 1,0 gr / cm<sup>3</sup>

Volume solids % 75

Shore – A hardness 90 (7 days)

Flash point > 45 °C

Water vapour diffusion factor app. 4000µm

CO<sub>2</sub> diffusion resistance factor takr. 700.000µm

Tensile strength (DIN 53504) > 10 N / mm<sup>2</sup> (7 days)

> 25 N / mm<sup>2</sup> (30 days)

Kopma uzaması (DIN 53504) > % 200 (30 days)

Application temperature +5°C to +30°C

#### Duration between applications:

(at 1 °C) min. 24, max. 36 h

(at 23 °C) min. 16, max. 24 h

(at 30 °C) min. 12, max. 24 h

#### Curing time (FOOT TRAFFIC) :

(at 23 °C) 16 h

(at 30 °C) 12 h

#### Curing time (MECH RESISANCE) :

(at 1 °C) 72 h

(at 23 °C) 24 h

(at 30 °C) 24 h

#### Curing time (CHEMICAL RESISTANCE) :

(at 1 °C) 7 days

(at 23 °C) 5 days

(at 30 °C) 5 days

# KÖSTER

## Waterproofing Systems

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### **Instructions:**

#### **Surface Preparation:**

Surfaces must be clean, sound and dry. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, waxes, form oil and similar contaminations should be cleaned or removed prior to application. Do not apply on surfaces where rising moisture is expected.

Condition material to room temperature.

#### **Application of KÖSTER BK 1000:**

The substrate and the uncured membrane must be at least 3°C above the dew point to reduce the risk of condensation.

**Primer** – prime the prepared substrates with KÖSTER BK 1000 Primer as a bonding agent. Apply the primer with a cloth and rub in evenly. Consumption apr. 50g/m<sup>2</sup>. Primer is only necessary on non-absorbing surfaces like tiles or glass.



**Subsequent Layers** - apply at least 2 (unthinned) layers by brush, roller or airless spray. Wait between coats (check time table).

Do not apply layers thicker than 0,5 mm in a single coat (solvent encapsulation may result in bubble formation).

#### **Special Applications:**

BK 1000 can be used to produce slip resistant stripes in swimming pool surroundings, bathroom and similar wet areas.

**Slip resistant stripes** – tape the areas in the desired stripe form. Apply the first layer of BK 1000 with a brush or roller. Sprinkle dry sand, glass beads or crystal sugar or similar onto the wet layer. Wait until completely dry and overcoat with a second layer.

#### **Consumption:**

KÖSTER BK 1000 (1 -2 layers) 0,25 – 0,50 Lt / m<sup>2</sup>

#### **Packaging:**

KÖSTER BK 1000 Primer 250 ml tin

KÖSTER BK 1000 4,0 Lt tin



#### **Cleaning of Tools:**

Clean material with a suitable with KÖSTER Thinner No1 or suitable solvent while still wet. Cured material can only be removed mechanically.

#### **Notes:**

Do not apply below 5 °C or if temperatures below 5 °C are expected within 24 hours.

Do not apply on damp, wet or frozen surfaces

Do not apply on dusting or weak surfaces. If in doubt, perform adhesion test.

Cold temperatures lengthen and hot temperatures shorten pot life and curing time of coating. High levels of humidity might prevent proper curing of coating.

If in doubt perform adhesion test before application.

Do not apply on concrete which is fresher than 3-4 weeks.

**Storage:**

Store in dry conditions and at room temperatures, in original containers.

**Shelf Life:** 6 months.

**Health and Safety:**

Contains isocyanates. Avoid inhaling the vapours and contact with skin. Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Material Safety Data Sheet.

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