



## D DOBAU<sup>®</sup> - 2 K S

### Highly flexible polystyrol-filled fibre-reinforced two-component thick-layer compound on bitumen-plastic-emulsion base

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#### Application:

The paste like thick-layer compound on bitumen-plastic-emulsion base is used for sealing against ground moisture and not accumulating drainage water as well as for the sealing against accumulating drainage water at base plates and at walls of ground reaching construction units. Furthermore it is used for the interior sealing of floor surfaces in cellar areas and buildings without cellars against rising moisture.

DOBAU<sup>®</sup> - 2 K S fulfils the requirements of the DIN 18,195, edition August 2000. "A general construction supervision test report" of the MPA Dresden can be supplied as well as a testing normal inflammability (building material class B 2).

#### Properties:

DOBAU<sup>®</sup> - 2 K S distinguishes itself by the following features:

- high workability assurance through aimed at chemical reaction
- fast drying
- seamless flexible seals with crack bridging properties
- high heat resistance
- high flexibility and elasticity even at cold temperatures
- high ageing resistance
- well workable also onto damp grounds
- solvent free, therefore environmentally friendly

#### Application instructions:

##### Ground material

Building surfaces, where DOBAU<sup>®</sup> - 2 K S shall be applied, have to be solid, levelled, free from nests, gapping cracks and groins as well as from contaminations. Non-closed hollows, which are bigger than 5 mm, as i. e. mortar joints, open vertical and horizontal joints or break outs, have to be closed with a suitable mortar. Surfaces made out of masonry in accordance with DIN 1053-1. Open vertical joints up to 5 mm and surface profiling or unevenness of stones have to be closed and levelled by rendering (thin or levelling finish), by sealing slurries or by scratch work with DOBAU<sup>®</sup> - 2 K S.

##### Weather conditions

At the application of DOBAU<sup>®</sup> - 2 K S the air and ground temperature have to be at least 5°C. Effects by water, rain or frost have to be avoided during the application and drying out time.

##### Working operations for the sealing:

For improving the bonding to the subsoil the primer Baumuls - V (solvent free) is necessary.

For application at first the bitumen emulsion has to be stirred within the tin for a short time with the help of a slow turning mechanical mixer. The reaction component is added. Both components have to be intensively stirred with a mixer until it has become a homogeneous knot free compound. Depending on the type of mixing tool a mixing time of 2 - 3 minutes is sufficient. The application time is about 1 hour when the material temperature is 20° C.

The material has to be applied like a render on the pre-treated subsoil.

DOBAU<sup>®</sup> - 2 K S has to be applied in at least 2 layers with or without reinforcement, i. e. with the help of a towel, a spatula, spreader or similar.

At the sealing against accumulating drainage water a reinforcement has to be applied after the first application step. The first layer has to be dried in such a way that the following works will not cause any damage.



I In the area of ground/wall connections with preceding baseplate DOBAU® - 2 K S has to be descend from the wall area over the baseplate up to approx 100 mm on the face of the baseplate

**Penetration:**

At sealing against ground moisture DOBAU® - 2 K S has to be applied chamfer-like at the penetration. At the sealing against pressing water the connection to the penetration takes place by the application of DOBAU® - 2 K S with backup interlayer on bonding flanges or with the help of loose and firm flange constructions.

At sealing against accumulating water loose and firm flange constructions has to be used.

**Protection layers:**

Structure sealing have to be provided with an additional protection layer in accordance with DIN 18 195. The application of the protection layer is only allowed to take place after sufficient drying of the sealing.

For the sealing of ground reaching building unit no materials are allowed to be used, which could damage the coating. I. e. extruded polystyrene hard foam plates, knob courses with gliding coat are suitable.

**Theoretical material consumption:**

Kind of sealing	way of application	min. thickness of the dry layer	thickness of the wet layer
Ground moisture	2 layers	3 mm	approx. 4-6 l/m <sup>2</sup>
Non pressing water	2 layers	3 mm	approx. 6 l/m <sup>2</sup>
accumulating drainage water	2 layers with glass mesh	4 mm	approx. 8 kg/m <sup>2</sup>

**Storage:**

Storable in original unopened packages for at least 9 months. The packages have to be stored free from frost and must not be exposed to direct sunshine or excessive warming actions.

**Form of supply:**

30 l units

**Cleaning materials:**

In fresh state:

Water

In set state:

Commercial solvents or petrol. After skin contact: Hand washing paste (i.e.Pevalin-Resolut).

This product information is in accordance with our present information level, the mentioned data are average values under normal conditions. The user is obliged to check the suitability and the possible application for the intended use/purpose. On any special questions concerning the application we would only be too glad to advise you. Our general terms of business and delivery are regarded as valid.