



DOBAU[®] - Plast D

Roof sealing compound based on bitumen-latex emulsion

Uses:

The paste-like thixotropic sealing material is used for the maintenance of flat roofs and for sealing of balconies, terraces, and underground car parks against moisture. The bitumen latex emulsion can be also used for the sealing against ground moisture on floor coverings as well as on walls of ground reaching building parts.

Properties:

DOBAU[®] - Plast D distinguishes itself by the following characteristics:

- high application safety by specific chemical reactions of both components
- is thixotropically set and as a consequence it can be used for vertical areas
- it is high elastic and crack bridging
- high heat resistance
- high flexibility and high elasticity even at cold temperatures
- high aging and uv resistance
- can also be applied on moist subsoil
- solvent free, therefore environmentally friendly
- real good bonding to bitumen and mineral grounds
- suitable for interior application
- resistant against aqueous solvents, thinned acids, salts, lime, cement and others

Application instructions:

Weather conditions:

At the application of DOBAU[®] - Plast D the air and ground temperatures have to be at least 5°C. Effects by water, rain or frost have to be avoided during the application and drying out time.

Subsoil

Building areas where DOBAU[®] - Plast D shall be applied, have to be solid, levelled, free from nests, gaping 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.

Blisters in the bitumen roof sheetings have to be cut and have to be sealed correctly. For good bonding to the subsoil, i. e. old and new roof sheetings or metal sheets a primer such as DOBAU[®] - V (solvent based) or Baumuls-V (solvent free) is necessary. Pitch based roof sheetings are not allowed to be covered with DOBAU[®] - Plast D, as bitumen is incompatible with pitch.

Application

At first the bitumen emulsion will be mixed shortly in its tin by a slow running electric agitator. The before homogenized reaction component DOBAU[®] - Fix will be added. Both components will be mixed by the agitator until a homogenous mass had been created. Depending on the agitator a mixing time of 2-3 minutes will be sufficient. The application time is approx. 1 hour at a material temperature of 20°C. Higher temperatures reduce, lower temperatures increase the application time.

DOBAU[®] - Plast D is applied in at least 2 layers, with or without reinforcement insertion, i. e. by brush, by spatula or similar. Following coats are only allowed to be applied after complete drying of the sealing coat (depending on the drying conditions 1-3 days). The sealing coat is dry when it completely bonds at the subsoil and when it is extensible. At flat roof applications the dried two layers will be additionally covered with DOBAU[®] -Plast D and covered in wet condition with crushed slate. For better cleaning of the working equipment you have to wet them before the application and right after the application you have to clean them with water.



Theoretical material consumption:

Sealing ways	Application	wet layer thickness of each coat
Sealing of flat roofs		
Roof fall >3°	at least 2 layers	1,5 kg/m ² each
Maintenance of flat roofs		
Roof fall > 3°	at least 2 layers	1,5 kg/m ² each
Roof fall ≥ 1,5 ° < 3°	at least 2 layers with glass Mesh	1,5 kg/m ² each
Protection layer at flat roofs	approx. 1 kg/m ² DOBAU-Plast D covered with 4-6 kg/m ² crushed slate 1/3 mm	

By adding the glass mesh the increases the tensile strength. Especially at the forming of culverts and at wall junctions the glass mesh has proved to be a success. If you have to reckon with moisture inclusions in the old roof sheet a roof sheet V13 has to be stuck on before the application.

Sealing	Application	wet layer thickness of each coat
of balconies and terraces	at least 2 layers between sealing and bridging a separation has to be placed, i. e. PE foil.	1,5 kg/m ² each
against ground moisture non pressing water	at least 2 layers at least 2 layers	1,5 kg/m ² each 1,5 kg/m ² each

Storage:

Storable in unopened original packages for at least 9 months. Already opened tins can be stored if the foil is re-placed on the material and if the tins are well re-closed. The packages have to be stored free from frost and must not be exposed to direct sunshine or excessive warming actions. DOBAU® - Plast D, which has already been mixed with DOBAU® - FIX, cannot be stored any more.

Form of supply:

10 and 25 kg tins including DOBAU® - FIX

Cleaning agent:

in fresh state: water
in set state: commercial solvents or petrol
at skin contact: hand washing paste

Technical data:

Properties of the dry layer

Softening point R & B of solid body	approx. 105°C
Heat resistance: (in accordance with AIB, appendix I, at 80 and 100°C 2 mm dry layer thickness, 7 and 12 days)	no draining
Cold resistance: (in accordance with AIB, appendix I, at 0, -5 and -10°C, 2 mm dry layer thickness)	no cracks through banding
Water impermeability: (non pressing water in accordance with AIB, appendix I, at 0,5 bar, 8 h)	tight

This product information is in accordance with our current information; the stated data are average values under normal conditions. The applicator is obliged to check the suitability and the possible applications for the intended purposes. For special technical information please do not hesitate to contact us. Our products are sold subject to our General Terms and Conditions of Sale.