

Fit for PV and Solar

CaTop UD 360 Premium underlay membrane

Seam-joined, waterproof, and diffusion-open sarking membrane

UDB-eA

The newly developed Premium CaTop UD 360 welding membrane fulfills the properties for extended applications (UDB-eA) according to the Central Association of the German Roofing Trade (ZVDH) product data sheet .



- Particularly suitable for roof-integrated PV and solar systems
- Suitable for ZVDH under-roof classes 1 + 2
- Excellent elongation and tensile strength values
- Extremely good water impermeability due to extra high weight
- High UV resistance
- Increased resistance to driving rain verified according to the TU Berlin method
- Higher abrasion resistance confirmed in the Martindale method



The quality of the under-roof plays an increasingly important role

Higher loads, improper access, inadequate installation all are potential risks to the underlay, and thus contributes to leaking roofs.

The ZVHD's "Product data sheet for diffusion-open underlays for extended applications (UDB-eA)" specifies application-related requirements and properties. The decisive factor is whether the PV or solar modules to be installed completely take over the function of the roofing (in-roof or on-roof installation) and what load the under-roof is exposed to when installed.

- ✓ Depending on the roof pitch of the building, elevated photovoltaic modules are fitted with a sub-roof or underlay in accordance with the data sheet for under-roofs, undercoverage and underlays. The fastening elements of the **photovoltaic modules** must not damage the roof covering materials (beware of unsuitable brackets).
- ✓ **Photovoltaic modules** that replace the covering materials over a large area (in-roof installation) require class 1 or 2 sub-roofs in accordance with the data sheet for under-roofs, under-covering, and under-lays. The decisive factor here is the roof pitch of the building.
- ✓ The height of the ventilation space must be **taken into account!** For **PV and solar systems**, the free ventilation cross-section must not be less than **60 mm** due to the high temperatures. We recommend 25 % larger supply and exhaust air openings.

CaTop UD 360

The high-quality sarking membrane with added future-proofing

More and more roof surfaces are being used to generate electricity and heat from solar energy. However, in addition to all their ecological and economic benefits, PV and solar thermal systems also place greater mechanical loads on the roof.

The Central Association of the German Roofing Trade (ZVDH) classifies these technical systems as increased requirements for the roof covering. Additional measures such as under-roofing, under-covering and under-laying are required to ensure rain safety.



New type of sarking membrane for extended applications: The product data sheet describes a new type of sarking membrane that is characterised by the fact that it can be joined using hot air or swelling welding agent and is open to diffusion. This type of underlay is more efficient than the underlays described in the UDB/USB product data sheet.

With a CaPlast CaTop UD 360 sarking membrane, you are choosing a high-quality product from the outset, even if the PV and solar system is not planned from the outset. You can rely on excellent UV resistance during system installation, higher load-bearing capacity during foot traffic and permanently high temperature and rain resistance.

Do you have any questions? Please contact info@caplast.de