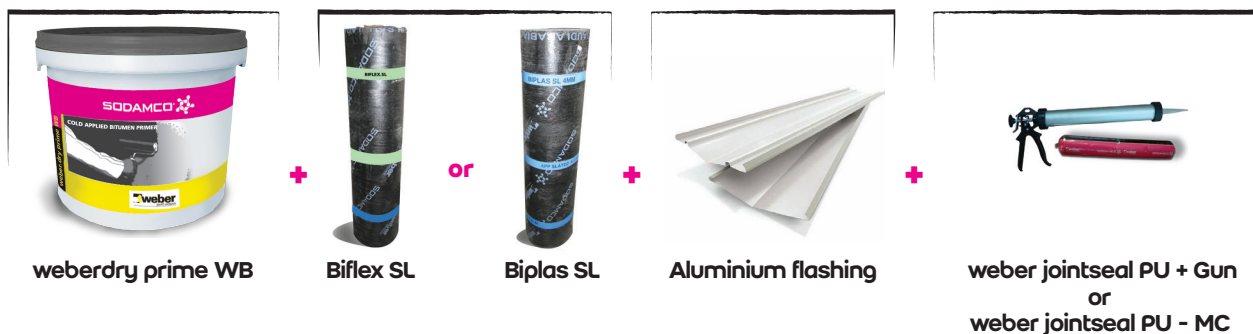


Waterproofing of exposed roofs

Recommended products



As mentioned previously, the substrate should be clean and repaired. After correspondent steps have been respected, the waterproofing job can begin.

1- Waterproofing with bituminous sheet membranes

Biflex SL is a SBS modified bituminous membrane, torch applied, recommended for use in regions where temperatures might drop below +5°C.

Biplas SL is an APP bituminous membrane, torch applied, recommended for use in hot to moderate regions. They are reinforced with 180 g/m² of polyester and have their surface slated with mineral aggregates. They are supplied in rolls of 10 m length and 1 m width.

Care should be taken for the stacking of materials on the roof. The rolls should be dispersed uniformly. They should be stored standing up. Any horizontal stacking of bituminous membranes on top of each other, might damage the materials, especially under sun heat.

Product application

- Prepare the surface as mentioned in the "surface preparation" paragraph.
- Primer: Apply **weberdry prime WB**, a bituminous primer coat at the rate of 150 to 250 g/m²
- Reinforcing Corner strip: Apply at all angles, using a torch, a strip of plain bituminous membrane, **Biflex PL** or **Biplas PL** of 200 mm girth.
- Horizontal membrane (**Biflex SL** or **Biplas SL**): Unroll the first roll at the lowest area starting from the drain location.
- The second roll as well as the following ones should be unrolled in a way to have at least 100 mm overlapping in the length direction and 150 mm in the width direction.
- Torch apply each roll by melting its bottom face and laying it on the concrete surface. Make sure that overlapped parts are fully melted and bonded.
- Seal the edge of the overlap by melting and pressing using a trowel.
- Continue torching until the whole surface area is covered and the skirting is raised at least 10 cm above the final finish level.
- Fix the top of the skirting using screws and washers by the mean of an aluminum strip of 10 cm width (Aluminum flashing) cut and bent to profile.



- Fill the groove provided in the aluminum flashing with a polyurethane sealant, **weber jointseal PU**, or **weber jointseal PU - MC** in order to completely seal the top of the skirting.

N.B. - In case of double bituminous membrane waterproofing system the first layer should be **Biplas PL** or **Biflex PL**.

- For enhanced protection, 2 layers of waterproofing membranes are recommended: **Biplas PL** or **Biflex PL** as first layer topped with **Biplas SL** or **Biflex SL** for exposed roofs. Make sure that the middle of the 2nd layer will come on top of the first layer's overlapping.

2- Waterproofing with polyurethane liquid membranes

Recommended products



weberdry prime 310 PU

weberdry 350 PU

weberdry 350 PU are 1-component liquid applied liquid membranes made of polyurethane, specially designed for UV resistance. Once cured, they form a flexible, resilient and seamless waterproofing membrane.

They maintain their properties with a service temperature from -40°C to +90°C.

Product application

- Prepare the surface as mentioned in surface preparation.
- Apply one coat of primer **weberdry prime 310 PU** before application of **weberdry 350 PU**.
- Application of **weberdry 350 PU**
- Mix thoroughly the content of the pail before starting application.
- Apply by roller a strip of 10 cm wide over all cracks and corners.
- While it is still tacky un-roll 10 cm wide fiberglass over the wet strip.
- Apply the first coat by roller or appropriate airless spraying gun over the entire horizontal area at the rate of 1 kg/m².
- Once the first layer is dry and not later than 24 hours, apply a second coat at the rate of 1 kg/m²
- Extend the application over the skirting by 10 cm above the finished level.