

Xeric HB Water-Bar is a hydrophilic sealing bar made of sodium bentonite and butyl rubber for preventive sealing of construction joints and as a system component for bentonite mats.

Mechanical fixation can be performed with Xeric HB Water-Bar fixing adhesive for water swellable sealing profiles or by nailing.

USE

Xeric HB Water-Bar developed for preventive sealing of construction joints in concrete and reinforced concrete construction. Alternatively, Xeric HB Water-Bar can be applied as a system component for bentonite mats. It seals against non-pressing and pressing ground water up to 6 bar.

To ensure a continuous section of the sealing bar, an overlap of 5 to 10 cm is applied and the bar ends are firmly pressed together. A minimum concrete coverage of 7-8 cm on each side is required.

Xeric HB Water-Bar can be applied both vertically and horizontally, but under no circumstances should it be used in expansion joints.

DESCRIPTION

Xeric HB Water-Bar hydrophilic swelling bar based on high quality butyl rubber and sodium bentonite. **Xeric HB Water-Bar** retains its shape after 3 wet and dry cycles (MPA certified). However, at a certain point, partly washing out will be initiated. The benefit of this phenomenon on the other hand is that concrete voids/cracks are filled up.

Xeric HB Water-Bar has a good resistance to a wide range of chemicals. Final confirmation about compatibility under specific conditions can be obtained from our technical dept.

APPLICATION

Xeric HB Water-Bar on a smooth and dust free surface (concrete).

Do not install Xeric HB Water-Bar during heavy rainfall, as it may result in swelling before the concrete has been poured on the sealing bar. Avoid all contact with water before concrete casting.

Xeric HB Water-Bar is positioned between the inside and outside reinforcement.

Xeric HB Water-Bar can be fixed by Xeric HB Water-Bar fixing adhesive for water swellable sealing profiles or by gun nailing. For vertical applications, the use of a wire mesh is recommended.

Mesh and profile are then fixed by gun nailing. More detailed information on the application of Xeric HB Water-Bar fixing adhesive can be found in a separate TDS.

Xeric HB Water-Bar that are damaged, already swollen, or of which the geometry has changed may not be installed.

For salt water environment, in polluted water conditions and in contact with manure and slurry, we recommend Xeric HB Water-Bar SW (See separate TDS).

| TECHNICAL DATA* | |
|---|--|
| Volume expansion in rain water | 400 % |
| Volume expansion in concrete water | 150 % |
| Colour | Black / green |
| Density | 1.43 g/cm ³ |
| Swelling pressure when encapsulated | Approx. 1.8 N/mm ² |
| Resistance to hydrostatic pressure | Tested up to 4 bar |
| Bending radius on the corners | 50mm |
| Temperature range | 0° - 50°C |
| Chemical resistance | Good overall chemical resistance, but we advise to be careful with aromatic oils and fuels, vegetal oils and strong aromatic solvents. Contact our sales department for detailed specific information. |
| * Indicative values – no specifications | |
| Size | 5m per roll. 6 rolls per carton |



CERTIFICATES

Detailed reports and certificates available on request at Corden EPS#

SAFETY

The safety datasheet is available on request at Corden EPS