

HydroFlex® Dichtband 275

For joint sealing at building structure

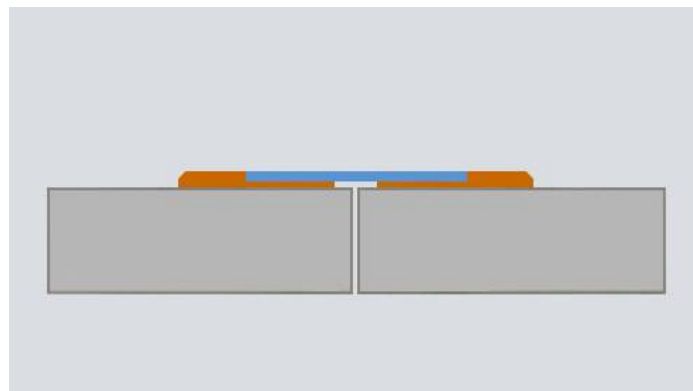
Sealing systems made of non-ageing, high-quality elastomer foils and on it aligned glues.

Wide cracks, working- and dilatation joints in building construction and civil engineering and component connections, will be sealed everywhere there, where accepted sealing systems can't be installed, are damaged or need to be renovated.

The HydroFlex® Dichtband 275 system consists of foils in different breadths. It is made of a non-ageing, thermoplastic elastomer and an especial glue of epoxy resin. The glue has a high resistance and a very good surface adhesion, even on wet concrete. But particularly he is characterised by his extraordinary strong „tack“, what means that the glue has an excellent starting adhesion and adhesiveness in wet-fresh condition. This, the laying of HydroFlex® is more easy and low-end, as with similar products of the competition.

Silipox® Baukleber Application on wet concrete

Assembly is easy. The Silipox® Baukleber 826 glue must be mixed with the hardening component. Afterwards it must be applied onto the prepared surface. All unevenness shall be balanced, that we have a constant thick layer of glue. Remove the protection foil from the HydroFlex® tape. Accordingly, insert and press on the tape convenient with a roll or a cylinder of metal or vulcanite into the wet glue. Because of the „Tack“ of the glue, the tape is adhering immediately, even overarm, and it is not tending to roll back.



Advantage: HydroFlex® doesn't need to be activated with solvents before using, and the glue is adhering extremely well, even on wet concrete.
No activation!

Before using HydroFlex®, the surface must be dry enough, clean enough and sustainable. Contaminations, release agents and old coatings must be removed before using. HydroFlex® glue is based on a solvent free epoxy resin, modified in a own process. The product consists 2 components, in the right ratio packed, delivered. For using, the components have to be mixed homogeneous. The components have two different colours. They are mixed together wright, when they have a consistently colour and no streaks.

Use DuroFlex®671 for binding particulate matter at porous surfaces. This fast setting epoxy previous coat is stabilising the surface and it is additional upgrading the adhesion of the glue.

We recommend to spattle glue over built-in HydroFlex® tapes. By having high water pressure, it could be necessary to use an additional support constructions, for example an adequate dimensioned steel panel.

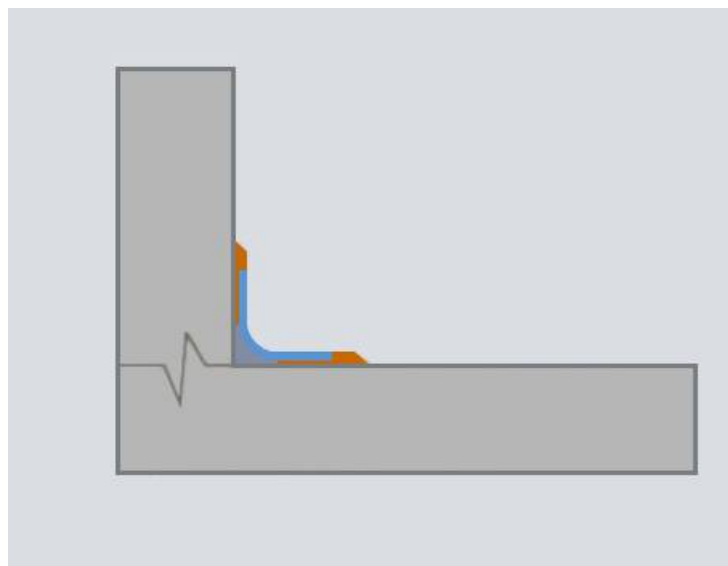
Silipox®Baukleber
Burst in Concrete
at 4,95 kN



Adhesive tensile strength with Silipox®Baukleber 826
Perfect adhesion - even on wet concrete!

Lengthwise- and transverse joints between HydroFlex® Tapes will be done with a special to the foil aligned wetting flux. HydroFlex® wetting flux will connect HydroFlex foils nearly insoluble together. It is a 1 component material, colourless and a viscose liquid. Tapes which should be clotted must be placed 5 cm overlapped in the gluing area. Brush the tape with the wetting flux, after that it must be added together immediately. Load shortly. The wetting flux is reacting with the polymeric. The welded connection can be load after a short period of time.

Important: The HydroFlex® welding agent is not able to be used for adding the tape on other surfaces than the tape by its own.



HydroFlex®Dichtband 275

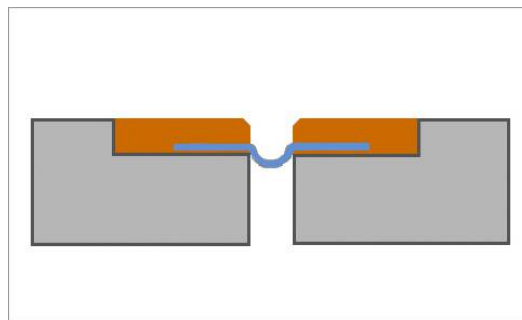
Properties

| | |
|-------------------------------------|---|
| HydroFlex®Dichtband 275 | |
| Thickness | 1,0 mm |
| Breaking elongation: | > 300 % |
| Break stress: | 12,5 MPa (along and cross) |
| Water pressure resistance: | 4 bar (test duration 72 h) |
| Steam diffusion coefficient: | 20.000 μ |
| Fire behaviour: | Class B2 according to DIN 4102-1 |
| Root resistance: | Yes, certificated according to FLL |
| Roll length: | 25 metres |
| Widths: | 16 cm / 20 cm / 25 cm / 33 cm / 50 cm / 105 cm |
| Colour: | Light grey |

Flexible connections

HydroFlex®275-S

| | |
|----------------------|--------------------------------|
| Type: | Solvent based welding flux |
| Components: | 1 |
| Density: | Approx. 1,25 gr/ ml |
| Viscosity: | Liquid, slightly thixotropic |
| Colour (workable): | Transparent |
| Working temperature: | +8°C until 40°C |
| Setting time: | Approx. 10 – 20 minutes / 20°C |
| Final strength: | After 7 days |



This information will be found detailed in our safety data Sheet.
Store in a cold and dry place.

Storage Safety

All HydroFlex® products should be stored cool and dry. The HydroFlex® welding agent contains a solvent with a low flash point, it is flammable, the vapours form explosive mixtures together with air even in low concentrations. It must therefore only be stored in well-sealed original containers.

Detailed information on safe handling of the products and disposal of material residues can be found in the safety data sheets for the products of the HydroFlex® Series 275.

Special products / Accessories

Figured out special products complete the HydroFlex system and alleviate the work for the user.

Cembond®EPW 863 or Silox®860D are particularly suitable for levelling and equalizing substrates with break-outs and holes, for working on broken corners and edges. This stable epoxy resin filler - dilutable with water if necessary - can also be applied on wet concrete. Adhesion and strength are excellent and the application is as easy as with a good cementitious filler.

Recommended Accessoires:

DuroFlex® 671

Low viscosity primer for strengthening of sanding and brittle surfaces. Suitable for wet and moist undergrounds.

Silipox®Baukleber 826

Epoxy glue for Flex Tape installation even on wet surfaces.

HydroSolv®520

Highly efficient solvent for cleaning of injection pumps and tools. The product is environmental friendly with a high flashpoint. Harmless, non toxic or unhealthy, no Labelling or transport restrictions.

Cembond®EPW 863

Epoxy mortar with excellent adhesion on wet concrete. Used for surface preparation and joint edge repair.

Silox®860 D

Epoxy mortar with excellent adhesion on wet concrete. Used for surface preparation and joint edge repair. This epoxy mortar is especially designed for wall or vertical applications.

These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

ATI-HydroFlex®Dichtband 275
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ARCAN Waterproof

ARCAN GmbH Spezialbaustoffe

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passion to invent 