

## TECHNICAL DATA SHEET - SEALING TAPE HYDRA FLEX

### DESCRIPTION

HyDra Flex is a sealing tape with strong adhesive properties. The sealing tape adheres effectively to concrete and does not expand in contact with water. The strong adhesive properties and the fact that the sealing tape is not affected by different weather conditions makes the HyDra Flex ideal for water- & radon proofing in construction joints for "cast-in-place" projects. The product is also very popular to use for sealing joints in prefabricated concrete elements.

Sealing tape HyDra Flex has been tested and approved and certificated by Vattenfall Research & Development AB for products for sealing construction joints against water.

HyDra Flex is tested and approved for a water column of 30m.

The sealing tape is also tested by SP for sealing against radon gas.



### ADVANTAGES

- Can be installed in any weather conditions
- Effectively bonds to concrete
- Does not expand
- Easy installation
- Radontested
- Can be used/installed for sealing in thin walls
- Tested and approved by Vattenfall Research & Development
- Approved for use in drinking water applications. (Not when installed with primer or any other adhesive)



### RANGE OF ARTICLES

Item.nr	Name	Length	Height	Width	Box	Pallet	Unit
1112302	Sealing tape HyDra Flex	4,5 m	22 mm	28 mm	27	1080	M
1112305	Sealing tape HyDra Flex XL	3,0 m	35 mm	56 mm	9	360	M
1132303	HyDra Flex Primer 3,8L	-	-	-	4	-	PCS
1313006	Dana Turbo Tack 291Glue	-	-	-	12	-	PCS
1658103	Easy Caulking Gun 300	-	-	-	-	-	PCS

### ADDITIONAL INFORMATION

HyDra Flex has been tested in accordance with conditions specified in the Federal Hazardous Substance Act (16CFR 1500.) The test results show that HyDra Flex is classified as non-toxic when used without a primer.

The manufacturer of HyDra Flex has been certified by NSF International and meets the requirements of NSF/ANSI/CAN (System Components for Potable Water) Section 6. Joint & Sealing Materials.

Not intended for use in expansion joints that move.

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### STORAGE

Protect from freezing

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### INSTALLATION

- Clean the surface where the sealing tape is going to be installed. Do it with a stiff brush.
- Remove all loose material and debris that may impair the product's adhesion to the surface.
- Splicing by two ends of the sealing tape should be done by **kneading** the two ends together into one interrupted tape.
- Splicing should never be done in a corner. Stay a minimum of 30 cm from a corner when splicing.
- Do not stretch or pull the tape when installing.
- Keep the protective foil on the sealing tape until just before casting to prevent dirt or other material from sticking to the sealing tape and impairing adhesion.
- Avoid standing, kicking or touching the sealing tape once it's installed.
- The sealing of HyDra Flex is based on pressure being applied on the tape. The tape must be compressed at least 50%. Best sealing is done when the tape is compressed more than 50%
- It takes about 15-20 minutes for HyDra Flex to achieve desired compression. However, this varies depending on the surrounding temperatures and the weight of what is placed/mounted on the tape.
- There is no minimum concrete cover for HyDra Flex, however, it's recommended that the tape is placed in the middle of the construction joint.

### Installation methods

HyDra Flex can be installed in two different ways.

The tape can be installed directly in fresh concrete to half its height. Place the HyDra Flex in the middle of where the connection concrete element will be casted.

HyDra Flex can also be installed on already hardened concrete (post-applied), then with help of HyDra Flex primer or with a glue called Dana Turbo Tack 291.

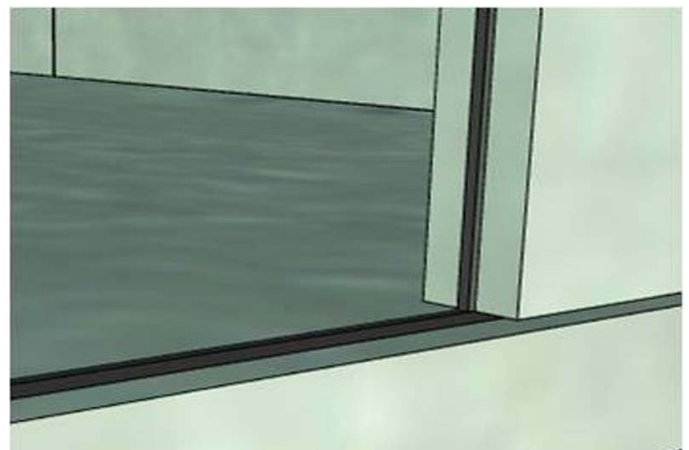
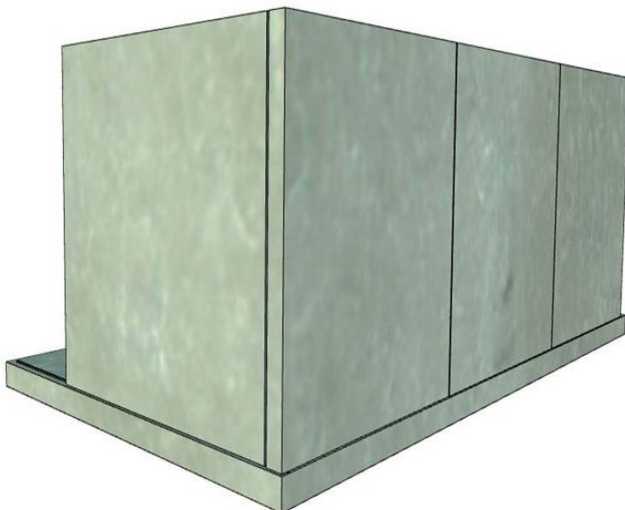
The surface where the HyDra Flex is to be applied should be clean, dry and free from release agents, grease, dust and other loose particles. So that the primer or glue fully adheres to the concrete surface.

The temperature of the substrate and the surrounding air should be +5° - +40°C.

Apply a string of Turbo tack where the sealing tape will be installed. Wait around 5-10 minutes and then press the sealing tape firmly onto the string of Turbo Tack. The glue cures approx. 2mm/day.

In cases of long stretches of sealing tape being post-applied we recommend that the Turbo Tack is applied with the help of our Caulking gun 300 to get an even and good result.

When installing HyDra Flex together with HyDra Flex Primer the primer should be applied on the clean surface with a brush or roller. The primer must dry a bit and become tacky before installing the sealing tape. The primer usually becomes tacky within 15-20 minutes depending on weather and temperature.



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