



# TECHNICAL DATA SHEET

## HYDRO-STOP

### CEMENT BASED WATER PLUG MATERIAL

#### DESCRIPTION:

Cement-based, instant setting water plug mortar with mineral filler and special chemicals that providing a suitable sublayer before waterproofing against water leaks

#### APPLICATION AREAS:

Used in foundations, basements prior to internal (negative) insulation, in reinforced concrete structures such as water tanks/pools, in underground structures such as elevator pits/manholes /garages, to cut water leaks in concrete pipes and to prevent water leaks rising with capillarity.

#### ADVANTAGES:

- \* Provides labor & time advantage due to it's easy application feature.
- \* Expands in the opposite direction of water, sets quickly and stops the water flow.
- \* Does not contain chlorine, does not damage or corrode the iron reinforcement in the concrete.
- \* Does not shrink after setting.
- \* Although it prevents active water flow, it does not prevent water vapor passage.
- \* Since it is cement based, it creates a suitable subsurface for waterproofing on concrete.

#### SURFACE PREPARATION:

All application surfaces should be cleaned from loose parts, oil and other chemicals. Application surface should be damp. If the surface is dry, it must be moistened before the application. Leakage points of the cracks, gaps or active water leakage should be opened to form a V-shaped conical section until solid ground.

#### PRODUCT PREPARATION:

3 kg of HYDRO-STOP bag is opened and poured into its own clean bucket. 0,6 - 0,75 liters of clean water is added on bucket, it should be mixed by hand until a homogeneous mixture is obtained for max. 30 seconds. The water ratio may vary depending on the weather conditions. HYDRO-STOP also can be used as powder without mixing with water, it should be avoided to contact with water before application. Appropriate gloves must be worn during the application.

#### APPLICATION METHODS:

- \* Repair of active water leaks:  
The crack with active water leakage is opened as V shape until it reaches solid ground. A handful of powder HYDRO-STOP is taken and compressed by hand, then applied by pressing it in one move towards the source of active water leakage. It is kept fixed in this way until the mortar hardens and the water flow stops. It should not be rubbed during this process, only constant pressure should be applied by hand. After the material hardens, it is slowly released.
- \* In cold joint insulation:  
The area to be insulated is opened as V shape until it reaches solid ground. HYDRO-STOP mortar is filled into the opened space.
- \* In anchor cavities:  
The anchor cavity is opened with a suitable mechanical drilling tool, with a diameter bigger than the diameter of anchor element. The dust and dirt in the cavity are cleaned and saturated with water. After the anchor cavity is filled with HYDRO-STOP, the anchor element is quickly placed by turning it in the direction of its vertical axis, and curing is completed. After the application, the mortar surface should be cooled and cured by moistening for 15 minutes.
- \* HYDRO-STOP is not flexible. Cracks may occur in areas exposed to vibration, in areas where movement or settlement is observed.
- \* The surface of HYDRO-STOP should be roughened with a wire brush and HYDRO-G10, HYDRO-UV10 or HYDRO-FLEX should be applied on it to ensure permanent waterproofing.
- \* Ambient and surface temperature should be between +5°C and +30°C during the application.
- \* The surface should be protected from excessive wind, direct sun rays and rain during and after the application and should not be opened for use for at least 24 hours.
- \* It should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- \* Any additional material (water, lime, cement, etc.) should not be added in the product.
- \* Products that aren't homogeneous when mixed, moistured or expired should not be used.
- \* HYDRO-STOP can react with the humidity of the air, its packages should be kept closed.

#### SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (+5°C / +25°C) conditions up to 12 months.

#### UNIT CONSUMPTION:

1,5 liter of gap / 3 kg package

NUR KİREÇ SAN. TİC. VE PAZ. LTD. ŞTİ.

Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965

Yüreğir/Adana/Türkiye

"NUR YAPI KİMYASALLARI"

*Cement Based Instant Setting Plug Mortar*

*Appearance*

*Gray powder*

*Density*

*1200 ± 150 g/L*



GHS05



GHS07

H315: *It causes skin irritation.*

H318: *It causes serious eye damage.*

H335: *It may cause respiratory irritation.*

P280: *Wear protective gloves/protective cloths/eye protection /face protection.*

P305 *In case of contact with eyes, rinse carefully with water*  
P351 *a few minutes. If available and easy, remove contact*  
P338: *lenses. Continue rinsing.*

