



TECHNICAL DATA SHEET

HYDRO-FLEX

ACRYLIC BASED FIBER LIQUID MEMBRANE

DESCRIPTION:

A single-component, elastomeric resin-based liquid waterproofing material that is fiber-reinforced, solvent-free, UV-resistant, flexible, and provides high impermeability on cement-based surfaces.

APPLICATION AREAS:

Applied by a roller or brush to provide a high quality, smooth, non-shrink, flexible and water proofing surface on cementitious surfaces (concrete, plaster, screed, etc.) which will be used as wet area (spa, bathroom, kitchen, balcony, terrace, pool, etc.).

ADVANTAGES:

- * Provides labor and time advantage due to it's easy application feature.
- * Provides high adhesion and water permeability.
- * Provides less consumption at unit area by it's special formula.
- * Prevents formation of shrinkage cracks by it's flexible feature.
- * Provides an ideal waterproofing solution without shrinkage and joints on cementitious surfaces.

SURFACE PREPARATION:

Application surface should be clean, sound and free from dust. Adhesion barrier materials (oil, dirt, dust, etc.) should be cleaned, cement-mortar residues should be scraped. Gaps & cracks on the surface should be repaired with RP-1200 or RP-800 repair mortars at least 1 day before the application. If needed, surface should be cleaned with water, excess water should be removed. PRIMER-ST primer should be used at least 1 hour before the application to reduce water absorption of the surface and to provide better adhesion.

PRODUCT PREPARATION:

HYDRO-FLEX is ready for use, there is no need a preparation for product. It is blended until becomes homogeneous by a low speed mixer or trowel.

APPLICATION METHODS:

- * HYDRO-FLEX is firstly applied to the corners and joints with a small brush as a thin layer.
- * Waterproofing tape is placed and embeded on the fresh HYDRO-FLEX surface at corners and joints by gently pressing with the small brush.
- * After taping is finished, HYDRO-FLEX is applied on the entire surface in one direction strokes with a 1 mm thickness as 1st layer by a roller or brush.
- * If application needs higher mechanical strength, flex glass-fiber mesh is placed on the fresh 1st layer surface. Mesh is embeded on fresh surface by gently pressing with brush or roller.
- * To prevent crack formation at mesh junction point, mesh should be placed as endpoints minimum 10 cm overlapped.
- * To prevent crack formation at corners, mesh should be applied with 1 cm overlay on the edge of waterproofing tape.
- * After approx. 6 hours from 1st layer application (when surface is completely dry), HYDRO-FLEX is applied on the entire surface in reverse direction brush strokes with a 1 mm thickness as 2nd layer.
- * During the application, make sure that there is no space, hole or area without mortar at surface. Make sure that every HYDRO-FLEX layer covers the application surface completely.
- * After setting time is completed, the surface becomes ready for the other applications on it.
- * At no-loaded areas there may not need to apply a coating material on HYDRO-FLEX. However, in all waterproofing applications, protecting the product surface from prolonged external environmental effects with a coating material application will extend the life of waterproofing.
- * If coating material will be applied on HYDRO-FLEX, one of the proper ALFAPLEX C2 type tile adhesives should be used for this application.
- * HYDRO-FLEX should be applied at least 2 layers. It is recommended to apply 3 layers in areas requiring high protection.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Application surface should be protected from direct sunlight, extreme wind and rain during and after the application.
- * HYDRO-FLEX should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- * Any additional material (such as water, lime, cement, gypsum etc.) should not be added in product.
- * Products which are non-homogenized when mixed, with a dry film layer on surface or expired should not be used.
- * HYDRO-FLEX should not be applied on unsound, loose and problematic surfaces.

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:

13,3 m² / 20 kg package (Application Thickness: 1mm x 1 layer application)
6,7 m² / 20 kg package (Application Thickness: 1mm x 2 layers application)



System 3

NUR KİREÇ SAN. TİC. VE PAZ. LTD. ŞTİ.
Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965
Yüreğir/Adana/Türkiye
"NUR YAPI KİMYASALLARI"
18

TS EN 14891 / 04.2017
TİP: DM, SINIF: 01P

Normal Dispersion Based, Chlorinated Water Resistant, Liquid Applied
Waterproofing Material With Crack Bridging Feature At Low Temperatures (-5 °C)

Initial Adhesion Strength	≥ 0,5 N/mm ²
Adhesion Strength After Heat Ageing	≥ 0,5 N/mm ²
Adhesion Strength After Freeze And Thaw	≥ 0,5 N/mm ²
Adhesion Strength After Contact With Water	≥ 0,5 N/mm ²
Adhesion Strength After Contact With Lime Water	≥ 0,5 N/mm ²
Adhesion Str. After Contact With Chlorinated Water	≥ 0,5 N/mm ²
Water Impermeability	No penetration, ≤ 20 g weight gain
Crack Bridging Ability At Low Temperature (-5°C)	≥ 0,75 mm
Time Required For Upper Application	7 gün (days)

PERFORMANCE DECLARATION NO 14891 / PB-07.010



GHS07

H335: It may cause respiratory irritation.

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

