

TECHNICAL DATA SHEET **HYDRO-FLEX**



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ACRYLIC BASED FIBER LIQUID MEMBRANE

Elastomeric resin based, flexible, reinforced with fiber, solvent-free, one-component liquid waterproofing material providing high water impermeability on cementitious surfaces

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

- * 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 cementious surfaces.

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.

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.

- * HYDRO-FLEX is 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 min.imum 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 ALFAFLEX 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
- * 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.

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

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)



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)

≥ 0,5 N/mm² **Initial Adhesion Strength** Adhesion Strength After Heat Ageing ≥ 0.5 N/mm² ≥ 0.5 N/mm² Adhesion Strength After Freeze And Thaw Adhesion Strength After Contact With Water ≥ 0.5 N/mm²

≥ 0,5 N/mm² Adhesion Strength After Contact With Lime Water

Adhesion Str. After Contact With Chlorinated Water ≥ 0.5 N/mm²

Water Impermeability No penetration. ≤ 20 a weight agin

Crack Bridging Ability At Low Temperature (-5°C) ≥ 0.75 mm

7 gün (days) **Time Required For Upper Application**

PERFORMANCE DECLARATION NO

14891 / PR-07.010



H335: It may cause respiratory irritation.

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



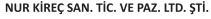












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