



TECHNICAL DATA SHEET

HYDRO-W10

UV RESISTANT DOUBLE COMPONENT FULLY FLEXIBLE WATERPROOFING MATERIAL

DESCRIPTION:

White cement and polymer emulsion based, antibacterial, highly water repellent, modified with special additives, two-component, flexible, UV resistant, water-proofing material

APPLICATION AREAS:

Applied by a roller or brush to provide a high quality, smooth, non-shrink, flexible UV resistant and water proofing surface before coating material applications on concrete surfaces which will be used as wet area (spa, bathroom, kitchen, balcony terrace, pool, water tank, etc.) and for water insulation of foundation walls, retaining walls, basements, water channels, etc. as horizontal and vertical at indoors and outdoors.

ADVANTAGES:

- * Provides labor and time advantage due to easy application feature.
- * Provides high adhesion, durability, UV resistance and water impermeability.
- * Provides less consumption at unit area by it's special formula.
- * Provides an ideal economic waterproofing solution without joints under the coating materials by it's flexible feature.
- * Antibacterial, prevents formation of mold-fungus-moss.
- * Resistant to freeze & thaw circle, chlorinated water and lime water, protects concrete surface against carbonation and chloride effects.
- * Proper for drinking water tank and pools, conformity certificate is available.

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 and 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 should be used at least 1 hour before application to reduce water absorption of the surface and to provide better adhesion.

PRODUCT PREPARATION:

20 kg HYDRO-W10 powder component is added on 10 kg HYDRO-UV10 liquid component by sprinkling. Blended by a low speed mixer so that there are no lumps in it. Mortar is rested for 3 min. to mature and mixed again before the application.

APPLICATION METHODS:

- * HYDRO-W10 mortar is applied on the entire surface in one direction brush strokes with a 1 mm thickness as 1st layer by a roller or brush.
- * Waterproofing tape is placed and embedded on the fresh 1st layer mortar at corners and joints by gently pressing with a small brush.
- * If application area is bigger than 5 m², flex glass-fiber mesh should be placed on mortar while 1st layer mortar surface is still fresh. Mesh should be embedded on fresh mortar by gently pressing with brush or roller.
- * To prevent crack formation, glass-fiber mesh should be placed as endpoints min. 10 cm overlapped.
- * To prevent crack formation, glass-fiber mesh should be applied with 1 cm overlay on the edge of the waterproofing tape.
- * After 6 hours from 1st layer application (before surface completely get dry), prepared HYDRO-W10 mortar is applied on entire surface in reverse direction brush strokes with a 1 mm thickness as 2nd layer.
- * If 1st layer surface is dry, it should be humidified before 2nd layer application.
- * During the application, make sure that there is no space, hole or area without mortar at surface. Make sure that every mortar layer covers the application surface completely.
- * After setting time is completed, surface becomes ready for other applications on it.
- * At lightly loaded areas there may not need to apply a coating material on HYDRO-W10. However, in all applications, protecting the surface from external environmental effects with a coating material application will extend the life of waterproofing.
- * If a coating material will be applied on HYDRO-W10, min. C2 type tile adhesive should be used for fixing.
- * If a coating material will not be applied on HYDRO-W10, to improve the surface strength at least 3 layers application is recommended.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Any additional material (such as lime, cement, gypsum etc.) should not be added in to prepared mortar.
- * HYDRO-W10 mortar should not be applied on unsound, loose and problematic surfaces.
- * Surface should be protected from airflows and sudden temperature changes during and after the application.
- * Mortar should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- * Hardened-set mortar should not be used by adding HYDRO-UV10 or water and mixing again.

SHELF LIFE:

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

APPLICATION LIMITS:

Workability Time: 30 dk.

UNIT CONSUMPTION:

18 m² / 20 kg + 10 kg set (Application Thickness: 1mm x 1 layers)
9 m² / 20 kg + 10 kg set (Application Thickness: 1mm x 2 layers)



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
Tip: CM ; Sınıf: P

Normal Cement Based, Liquid Applied Waterproofing Material With Cracked Bridging And Resistance To Chloride and Lime Water Features

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
Adh. St. After Contact With Chlorinated Water	≥ 0,5 N/mm ²
Water Impermeability	≤ 20 g mass increase
Crack Bridging Ability	≥ 0,75 mm (+20°C)
Time Required For Upper Application	3 days

PERFORMANCE DECLARATION NO

14891 / PB-07.006



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.

