



TECHNICAL DATA SHEET

HYDRO-G5

DOUBLE COMPONENT SEMI-FLEXIBLE WATERPROOFING MATERIAL

DESCRIPTION:

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

APPLICATION AREAS:

Applied by a roller or brush to provide a high quality, smooth, non-shrink, water proof surface before coating material application on concrete surfaces which will be used as wet area (kitchen, balcony, bathroom, etc.) as horizontal and vertical at indoors and outdoors.

ADVANTAGES:

- * HYDRO-G5 provides labor and time advantage due to it's easy preparation and application feature.
- * Provides high adhesion and durability.
- * Provides less consumption at unit area by it's special formula. under the coating materials by it's semi-flexible feature.
- * Antibacterial, prevents formation of mold-fungus-moss.
- * Provides an ideal economic waterproofing solution without joints
- * Proper for drinking water tanks 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 primer should be used at least 1 hour before the application to water absorption of the surface and to provide better adhesion.

PRODUCT PREPARATION:

20 kg HYDRO-G5 powder component is added on 5 kg HYDRO-L5 liquid component by sprinkling. Blended by a low speed mixer to that no lumps in it. Mortar is rested for 3 minutes to mature and mixed again before application.

APPLICATION METHODS:

- * HYDRO-G5 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 embeded 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 the mortar while 1st layer mortar surface is still fresh. Mesh should be embeded 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 gets dry), prepared HYDRO-G5 mortar is applied on the 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, the surface becomes ready for the other applications on it.
- * A coating material (ceramic, etc.) should be applied on HYDRO-G5 surface by using minimum C2 type tile adhesive, product surface shouldn't be exposed to long term external effects.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Any additional material (water, lime, cement, gypsum etc.) should not be added in to prepared mortar.
- * HYDRO-G5 mortar should not be applied on unsound, loose and problematic surfaces.
- * Surface should be protected from airflows, 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-L5 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:

14 m² / 20 kg + 5 kg set (Application Thickness: 1mm x 1 layers)
7 m² / 20 kg + 5 kg set (Application Thickness: 1mm x 2 layers)



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Surface Protection Products / Coating Application /
Semi Flexible Waterproofing Material

Principle	2.2 (C) , 8.2 (C)
Reaction To Fire	Bs1d0
Adhesion Strength By Pull-Off	≥ 0,8 N/mm ² (Flexible Systems-Non traffic load)
Capillary Water Absorption & Water Permeability	≤ 0,1 kg/m ² .h ^{0,5}
Water Vapor Permeability	Sınıf I
Pressurized Water Resistance	2 bar pozitif (DIN 1048)
Time Required For Upper Application	3 gün (days)

PERFORMANCE DECLARATION NO

1504-2 / PB-07.002



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.

