

# HYDRO REP

## SURFAÇAGE

### Moisture-Resistant Smoothing Compound/ Family IV – Class 4C



#### PRODUCT DESCRIPTION

HYDRO REP surfaçage is a cement-based powder smoothing compound designed for restoring interior and exterior substrates damaged by moisture.

#### FIELDS OF APPLICATION

HYDRO REP surfaçage is used to block residual moisture in bare masonry substrates compliant with DTU 59.1.

Also suitable for humid rooms such as bathrooms, basements, etc.

#### Suitable Substrates:

- Rt2 and Rt3 class masonry (concrete, brick, breeze block) as per DTU 26.1
- For old masonry or other substrates; please consult our technical team.

#### Recommendations:

Do not use in cases of permanent rising damp due to water tables, springs, flood zones, or foundation waterproofing failure.

Not suitable for underground exterior walls.

Do not coat both sides of the same wall.

This is not a waterproofing mortar.

#### PRODUCT CHARACTERISTICS & PERFORMANCES

##### Application Characteristics:

Water-to-Powder Ratio	35 ±2 %
Mixing Time	5 to 7 minutes.
Maturation Time	5 minutes.
Workability Time	Approx. 2 to 3 hours.
Recoating Time	After complete drying
Packaging :	5 kg and 20 kg buckets, and Big Bags

#### APPLICATION

##### Substrate Preparation (DTU 59.1)

- Substrates must be hard, cohesive, clean, dry and dust free.
- Remove loose particles from holes and open, brush out cracks.
- Perform necessary repairs using a suitable repair mortar before applying HYDRO REP Surfaçage.

##### Mixture Preparation:

- In a container, mix 10 kg of HYDRO REP Surfaçage into approx. 3.7 L of water
- Use a slow-speed electric mixer to achieve a smooth, homogeneous paste.
- Let the mix rest for 5 minutes, then briefly remix before use.

##### Application:



- Apply with a smoothing float over the entire surface.
- Work in 1 m<sup>2</sup> areas, applying uniformly with crisscross passes.

#### PRODUCT ADVANTAGES

- Stable, consistent performance.
- Easy mixing and application.
- Accelerated installation process.
- High Whiteness.

#### Composition:

- White Cement.
- Mineral fillers.
- Specific additives, including water repellent agents.

#### Storage:

- 6 months in original, sealed packaging protected from moisture

#### Recoating:

Once completely dry, HYDRO REP surfaçage may be recoated using any breathable paint or finishing system that allows vapor permeability.

##### Performance of Hardened product:

Whiteness Index	≥ 95
Compressive Strength	≥ 6 MPa
Liquid Water Permeability (EN 1062-3)	Not Determined
Water Vapor Permeability	Not Determined
Adhesion (EN ISO 4624)	≥ 0.8 MPa



##### Consumption :

Approx. 1.15 kg/m<sup>2</sup> per mm thickness, depending on substrate type, flatness, and roughness.

- For thick applications, a second coat may be necessary after the first layer has dried.

- Drying time depends on thickness, temperature, humidity, and substrate type.
- Once the coating begins to harden, smooth with a float.

#### Recommendation:

- Do not add water once the mix is prepared.
- Wear gloves during application.

#### LEGAL NOTICE

• Performance data are based on laboratory testing and reflect average values, which may be updated without prior notice. The user is responsible for ensuring the product's suitability for the intended application. This document is non-contractual. No liability is assumed for improper use.

#### REFERENCE DOCUMENTS

- NFT 36-005 DTU 59.1