

HYDROFLOOR

PRODUCT DESCRIPTION

HYDROFLOOR is a 100% acrylic, water-based paint used for interior and exterior floors such as parking garages, basements, stairs, terraces, and balconies. It can also be used on painted or unpainted concrete and metal previously prepared with Hydrogrip. Note: The system can be made non-slip.

SCOPE OF APPLICATION

Concrete and cement plaster, stone, paving stones.
Metal elements.
Galvanized steel and aluminum.
Old paints are compatible and in good condition (preliminary testing).

PREPARATION OF THE SUPPORT TO BE TREATED

Ambient and substrate temperature above 10°C and below 35°C. Non-condensing substrate: The substrate temperature must be at least 3°C above the dew point. Relative humidity below 80%.

The substrate must be sound and free of any loose or non-adherent areas. It must be free of traces of oil, grease, laitance, curing agent, and any substances likely to impair adhesion. Surfaces must be degreased with an alkaline solution.

Concrete and derivatives:

On new concrete, a minimum drying time of 28 days is required.

Thorough cleaning by high-pressure washing, sanding, or shot blasting if necessary.

Alkaline washing of old paint in good condition.

Leveling, repairing concrete chips, and filling cracks with a solvent-free epoxy mortar: drying time: at least 24 hours. The porosity of the floor determines adhesion. Non-absorbent surfaces such as high-strength cement or glossy surfaces must be roughened mechanically (shot-blasting/grinding) or chemically by etching with a 10% hydrochloric acid solution in water.

Metals:

Surfaces must be carefully removed of all dirt, old, loose paint, and grease by scraping, brushing, dusting, and degreasing. Rust, scale, and old, deteriorated paint must be removed by shot-blasting or sandblasting to a level of Sa 2 min. If sandblasting is not possible, scrape/brush to a level of ST 3.

On ferrous metals: apply a coat of Hydrofer.

On galvanized steel and aluminum: apply Hydrogrip.

PROPRIETES

HYDROFLOOR is resistant to acids, soda, diesel, engine oils, water, and cleaning products.

A hot, wet tire parked on a surface causes traction on the film when the vehicle is started (the sticking phenomenon), causing it to break and peel off. A surface made with HYDROFLOOR completely eliminates this phenomenon.

Appearance of the dry film (ISO2813): Matte (12GU±RHOPOINT 60°)	Density: 1.35 ± 0.02 (depending on the shades)
Dry extract by weight: 58% ± 2% (depending on the shades)	Viscosity at 20°C: 2500 cP Haake VT02
Dry extract by volume: 46% ± 2% (depending on the shades)	Yield: 12 m ² / L
VOC : (cat IIA/i) : 140g/l(2007) – 140g/l(2010)	The Hydrofloor contains 44g/l VOC

IMPLEMENTATION

HYDROFLOOR is applied with a roller or brush.

To avoid retouching marks, do not rework work while it is drying.



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On new concrete, apply a first coat of Hydrofloor diluted with 10-15% water, followed by a second and third coat without dilution.

On old paint, apply a first coat of Hydrofloor diluted with 5% water, followed by a second and third coat without dilution.

For galvanized steel and aluminum surfaces, apply one coat of Hydrogrip and two coats of Hydrofloor without dilution. We recommend waiting 24 hours before walking on the floor and one week to ensure resistance to more intensive traffic (heels, impacts, cars, moving furniture, etc.).

We recommend conducting a preliminary adhesion test in all cases. Anti-slip system: 1st layer of Hydrofloor without Anti-Slip Additive, 2nd and 3rd layers with Anti-Slip Additive.

DRYING TIME AT 60% RH and 20°C

Dust-free: 20 minutes.	Intercoat time: Minimum 6 hours
Dry: 1 hour	Drying is delayed in cold and humid weather
Hard and complete resistance: 7 days	

TESTS ET CERTIFICATIONS

- Wear resistance (Taber test ISO 7784-2): 0.11% weight loss (CS10, 1000 cycles) very high abrasion resistance (Materianaova REP_210622)
- Resistance to wet rubbing (ISO 11998): Class I (<5µm loss of thickness after 200 cycles)
- Water vapor permeability (ISO 7783): Class II Sd=0.516 (average permeability – Materianaova REP_210622)
- HOT TIRE PICKUP tensile adhesion (ISO 4624): 1.5-2.5N/mm² (100% cohesive rupture in support – Materianaova 01/2022 REP_210622)
- Chemical resistance (ISO 2812-1): Excellent for diesel, brake fluid, petroleum (Materianaova 01/2022 REP_210622)
- Fire resistance (ISO 9239-1 and ISO 11925-2): Bfl-s1 (CSTB – N°RA21-0258 11/2021).

CHEMICAL RESISTANCE

Hydrofloor has been subjected to various everyday products and has good chemical resistance.

Tested products	Contact time = 1 day
Hydrochloric acid 23%	+
Sodium Hypochlorite 12% / Bleach	+/-
Powerful degreaser (CILITBANG) / Diesel	+
Mineral engine oil (chainsaw) / synthetic (2-stroke engine)	+
Water / Water saturated with salt	+
Cleaning product (Mr. Clean multi-purpose liquid cleaner)	+

Precautions:

If diesel spills: Place an absorbent material (e.g., sand, cat litter, etc.) on the spill and do not rub while it is still wet. Only rub and clean the spill when it is dry.

CLEANING THE EQUIPMENT

With water directly after use

STORAGE CONDITIONS

1 year in original, unopened packaging. Store in a ventilated, dry place between +5 and 35°C. Protect from frost.

Our product information and technical recommendations are intended to assist professionals. When implementing, we always recommend starting with a trial run.