

# TKROM HIDROSUPERLITE

## PRODUCT DESCRIPTION

HYDROPLIOLITE® resin-based frontage paint. New technology product that allows paint to be made in an aqueous phase, with high penetrative and adhesive power and a very low VOC content. It has exceptional weather resistance, good adhesion and ability to penetrate the underlying layer. Alkaline resistant. Waterproof, breathable and quick drying, it is self-cleaning and fungi and mould resistant. It has significant microporosity, allowing the support to breathe.



## PRODUCT WARRANTY

Please check the conditions of the product warranty in the warranty table of our [Catalog](#).

| CONTAINER | SIZE |
|-----------|------|
| Plastic   | 4 L  |
| Plastic   | 12 L |

## USES / SCOPE OF APPLICATION

- For all kinds of construction surfaces.
- Outdoors and indoors.
- Façades.
- Tiles.
- Concrete.
- Cement mortars.
- Wall surfaces in general.
- Restoration of historical buildings.

## CHARACTERISTICS / BENEFITS

- Completely matte, no reflections.
- Highly washable.
- Excellent ease of application.
- Very good levelling.
- Good elasticity. Suitable for the normal movements of the medium, does not crack.
- Water vapour-breathable.
- Very good whiteness and opacity.
- Excellent coverage.
- Waterproof.
- Resistant to weather conditions.
- Self-cleaning.

## PRODUCT PROPERTIES

| APPEARANCE OF THE DRY FILM | VALUE                     | STANDARD          | REPORT                                       |
|----------------------------|---------------------------|-------------------|--|
| COLOUR                     | Carta y colores s/muestra | CARTA PROPIA      |  |
| FINISH                     | G3 MATE                   | UNE-EN 1062-1     | <a href="#">IL-5924-01 / 14_06820-1 (M1)</a> |
| GLOSS 85º                  | < 3                       | UNE-EN ISO 2813   | <a href="#">IL-5924-01 / 14_06820-1 (M1)</a> |
| CHROMATIC COORDINATES, L*  | 91 a 93                   | UNE 48073         | <a href="#">IL-5924-02</a>                   |
| CHROMATIC COORDINATES, a*  | -1,30 a -1,10             | UNE 48073         | <a href="#">IL-5924-02</a>                   |
| CHROMATIC COORDINATES, b*  | 0,00 a 0,20               | UNE 48073         | <a href="#">IL-5924-02</a>                   |
| BERGER WHITENESS           | 84-86                     | UNE 48073         | <a href="#">IL-5924-02</a>                   |
| OPACITY                    | 92-94%                    | UNE-EN ISO 6504-3 | <a href="#">IL-5924-05</a>                   |

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| PHYSICAL PROPERTIES                | VALUE                                   | STANDARD                        | REPORT                          |
|------------------------------------|---|---------------------------------|---------------------------------|
| DENSITY                            | 1,50-1,54 g/ml                          | UNE-EN ISO 2811-1               | <a href="#">IL-5924-06</a>      |
| pH                                 | 9,5-10                                  | ENSAYO INTERNO                  |                                 |
| VISCOSITY (ISO)                    | 7000-13000 (mPa.s) (20 rpm, husillo R6) | ASTM D 2196-10                  |                                 |
| PARTICLE SIZE DISTRIBUTION (GRAIN) | 15-25 micras                            | UNE-EN ISO 1524 / UNE-EN 1062-1 | <a href="#">14_06820-1 (M1)</a> |

| REFERRING TO ITS FORMULATION                  | VALUE  | STANDARD                   | REPORT                     |
|---|--------|----------------------------|----------------------------|
| CONTENT IN NON-VOLATILE MATERIAL (MASS)       | 61-63% | UNE-EN ISO 3251            | <a href="#">IL-5924-10</a> |
| CONTENT IN NON-VOLATILE MATERIAL (VOLUME)     | 43-45% | UNE-EN ISO 23811           |                            |
| MAXIMUM ADMISSIBLE COV CONTENT                | 40 g/L | 2004/42/II A clasificación |                            |
| MAXIMUM ADMISSIBLE COV CONTENT IN THE PRODUCT | 40 g/L | 2004/42/II A clasificación |                            |

| APPLICATION PROPERTIES           | VALUE  | STANDARD         | REPORT                          |
|----------------------------------|--|------------------|---------------------------------|
| THEORETICAL YIELD                | 8-10 m <sup>2</sup> /L - 5-7 m <sup>2</sup> /kg a 50µm secas | UNE-EN ISO 23811 |                                 |
| DRY FILM THICKNESS               | 74 micras  | UNE-EN 1062-1    | <a href="#">14_06820-1 (M1)</a> |
| 1st COAT THINNING                | 10-20 %  |                  |                                 |
| 2nd AND SUBSEQUENT COAT THINNING | 5-10%  |                  |                                 |
| THINNER                          | AGUA   |                  |                                 |

| SPECIFIC PROPERTIES   | VALUE                | STANDARD          | REPORT                          |
|---|----------------------|-------------------|---------------------------------|
| STEAM PERMEABILITY (STEAM TRANSMISSION SPEED)                                   | 189,965 g/m2. dia    | UNE-EN ISO 7783-2 | <a href="#">14_06820-1 (M1)</a> |
| STEAM PERMEABILITY (EQUIVALENT AIR LAYER THICKNESS)                             | 0,11 m               | UNE-EN ISO 7783-2 | <a href="#">14_06820-1 (M1)</a> |
| LIQUID WATER PERMEABILITY   | 0,099 kg/(m2.h0,5)   | UNE-EN 1062-3     | <a href="#">14_06820-1 (M1)</a> |
| CRACK RESISTANCE (LOAD)   | n.a.                 | UNE-EN 1062-7     | <a href="#">14_06820-1 (M1)</a> |
| CRACK RESISTANCE (CRACK WIDTH)  | n.a.                 | UNE-EN 1062-7     | <a href="#">14_06820-1 (M1)</a> |
| CARBON DIOXIDE PERMEABILITY (DIFFUSION FLOW)                                    | 80,09 g/m2. dia      | UNE-EN 1062-6     | <a href="#">14_06820-1 (M1)</a> |
| CARBON DIOXIDE PERMEABILITY (DIFFUSION EQUIVALENT)                              | 3 m                  | UNE-EN 1062-6     | <a href="#">14_06820-1 (M1)</a> |
| CLASSIFICATION FOR COATING MATERIALS INTENDED FOR EXTERIOR MASONRY AND CONCRETE | G3 E2 S1 V1 W3 A0 C0 | UNE-EN 1062-1     | <a href="#">14_06820-1 (M1)</a> |

**MEDIUM CONDITIONS**

If outside, do not apply if rain is forecast, in strong midday sun or on very humid days.

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| CONDITION             | VALUE   |
|-----------------------|---|
| Substrate temperature | Between 5°C and 35°C.   |
| Ambient temperature   | Between 5°C and 35°C.   |
| Substrate humidity    | Dry medium surface with humidity < 10%  |
| Dew point             | The substrate must be at least 3° above the dew point to reduce the risk of product detachment or efflorescence of the coating on walls and floors due to condensation. In high ambient temperature and low relative humidity conditions, the probability of efflorescence in the finish increases. |

## MEDIUM PREPARATION

### NON-PAINTED OR NEW SURFACES

- Outside, use mechanical equipment such as high pressure water jets, to clean the surface.
- The surface should be consistent and firm, with no tendency to disintegrate or break. If it is necessary to smooth the substrate, repair it using suitable products from the TKROM PLAST range.
- A coat of TKROM F1 PENETRATING FIXATIVE (TDS-5907), TKROM F4 FIXATIVE (TDS-5908) or TKROM PLIOTEC WATER-BASED FIXATIVE (TDS-5929) may also be applied to homogenize absorption and consolidate the surface.
- Next, apply TKROM HIDROSUPERLITE

### ALREADY PAINTED SURFACES

- Outside, clean the entire surface by mechanical means, such as high pressure water jets
- Ensure that the medium is compact and firm.
- Carefully control the condition of the underlying paint; remove parts that are cracked and/or not perfectly adhered.
- Repair any imperfections, and proceed as instructed for new surfaces.

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SPECIAL REMARKS FOR MEDIA IN GOOD CONDITIONS

Concrete:

- The surface should be dry, and should have cured in the air for the necessary time (minimum of 3 weeks).
- The substrate conditions must meet the requirements of concrete standard UNE-EN ISO 1504-2 in terms of coating performance.

Mortar:

- Use suitable products to remove efflorescence and alkalinity, such as treating with hydrochloric acid, diluted with 10 parts water.

Fibre cement:

- Remove alkalinity in accordance with the instructions for mortars.

Porous plaster:

- To prevent excessive absorption during subsequent painting, apply a coat of TKROM F4 FIXATIVE (TDS-5908).

Fragile plaster:

- Apply a coat of TKROM F1 PENETRATING FIXATIVE (TDS-5907) to strengthen the top coat, creating a lattice of resin that also enables transpiration, reduces absorption and facilitates subsequent painting.

Mortar and plaster on masonry:

- The substrate condition must meet mortar standard UNE-EN 998-2. According to the specifications of this standard, the adhesion value must be suited to that specified for the CE marking of the substrate manufacturer. It should never be less than 0.2 N/mm<sup>2</sup>. The average value should be 0.3 N/mm<sup>2</sup>.

Old paint:

- The quality of the old coatings is important.
- Adhesion should be no less than 0.7 N/mm<sup>2</sup>, and the average sampling value should exceed 1 N/mm<sup>2</sup> (UNE-EN ISO 1504-2 standard).
- Thoroughly clean the entire surface with a jet of pressurised steam or water.
- For gloss paints, use mechanical equipment to open the pores, and proceed as for new surfaces.

SPECIAL REMARKS FOR MEDIA IN POOR CONDITIONS

Blackening caused by mould and algae:

- Remove the stain and disinfect by vigorously scrubbing with household bleach. Next, treat the surface with TKROM REINFORCING CLEANER (TDS-5905) and then add a coat of TKROM SANITISING-SEALANT PRIMER (TDS-5906).

Nitre:

- Scrape with a brush or machine polish, before applying chemical treatment with hydrochloric acid, diluted with 10 parts of water. Next, treat with TKROM F1 PENETRATING FIXATIVE (TDS-5907).

Rust stains from wrought iron:

- Apply two coats of TKROM STAIN RESISTANT SUPERLITE (TDS-6612).

Old paint with insufficient adhesion:

- If adhesion is less than 0.7 N/mm<sup>2</sup> (UNE-EN ISO 1504-2 standard), use suitable mechanical equipment to remove the old paint. The underlying material must be properly prepared for the application of the new top coat. Proceed as with new substrate.

Uneven surfaces:

- Surfaces with damage such as peeling, cracking, chalking, blistering, etc. should be treated using mechanical equipment to completely remove existing paint.

Next, a coat of any of the following products should be applied: TKROM F1 PENETRATING FIXATIVE (TDS-5907), TKROM F4 FIXATIVE (TDS-5908) or TKROM PLIOTEC WATER-BASED FIXATIVE (TDS-5929), then proceeding as indicated for new surfaces.

For painting other specific materials not mentioned on this data sheet, seek advice on suitable treatment from a EUPINCA, S.A. approved technician.

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## APPLICATION SYSTEM

| SYSTEM  | PRODUCT                       | THEORETICAL YIELD       | DILUTION     | COATS |
|---------|-------------------------------|-------------------------|--------------|-------|
| PRIMING | TKROM F1 PENETRATING FIXATIVE | 14-18 m <sup>2</sup> /l | 1/1 in water | 1     |
| PRIMING | TKROM F4 FIXATIVE             | 14-18 m <sup>2</sup> /l | 1/4 in water | 1     |
| PRIMING | PLIOTEC FIXATIVE              | 10-14 m <sup>2</sup> /l | use normally | 1     |
| PRIMING | TKROM HYDROSUPERLITE          | 8-10 m <sup>2</sup> /l  | 10-20% water | 1     |
| FINISH  | TKROM HYDROSUPERLITE          | 6-8 m <sup>2</sup> /l   | 5-10% water  | 2     |

## APPLICATION PROCESSES

| PROCESS             | INSTRUCTIONS   |
|---------------------|--|
| PRODUCT PREPARATION | · Stir until the mixture is properly homogenised.  |
| APPLICATION         | <ul style="list-style-type: none"> <li>· It can be applied with a brush, roller or airless paint sprayer.</li> <li>· The product can be applied with a brush, short hair roller or sprayed with an airless paint sprayer.</li> <li>· The second coat of the product should be applied perpendicular to the first coat to obtain ideal opacity.</li> <li>· To apply with an airless paint sprayer, use the following: pressure ~150 bar, nozzle ~0.38-0.53 mm, application angle ~50°-80°.</li> </ul> |
| TOOL CLEANING       | · Clean the tools with water immediately after use.  |

## WAIT TIMES

Drying at 20°C and 65% relative humidity: The product is touch dry between half and one hour, and can be painted over after 6-8 hours.

## SAFETY

Users should refer to the labelling and the latest version of the product's Safety Data Sheet for any information regarding safety issues related to use, storage, transport and waste disposal. The Safety Data Sheet contains all of the physical, environmental and toxicological data on the product, and information on all other issues related to this topic.

| SAFETY SHEET              | LER CODE | WASTE TYPE    |
|---------------------------|----------|---------------|
| <a href="#">MSDS-5924</a> | 08 01 12 | NON-HAZARDOUS |

## STORAGE

When kept in its original unopened container at room temperatures below 30°C and above 5°C, the product will remain stable for 24 months from the date of manufacture.

It should be stored in a cool, dry place, in its original properly sealed and undamaged container, protected from frost and direct sunlight.

## TARIFF HEADING

TARIC code: 3209 10 00

**Note:** The data presented in this technical data sheet may be modified based on possible changes in formation. In any case, values are provided for information purposes only, and the suitability of the product for a certain job should always be tested.