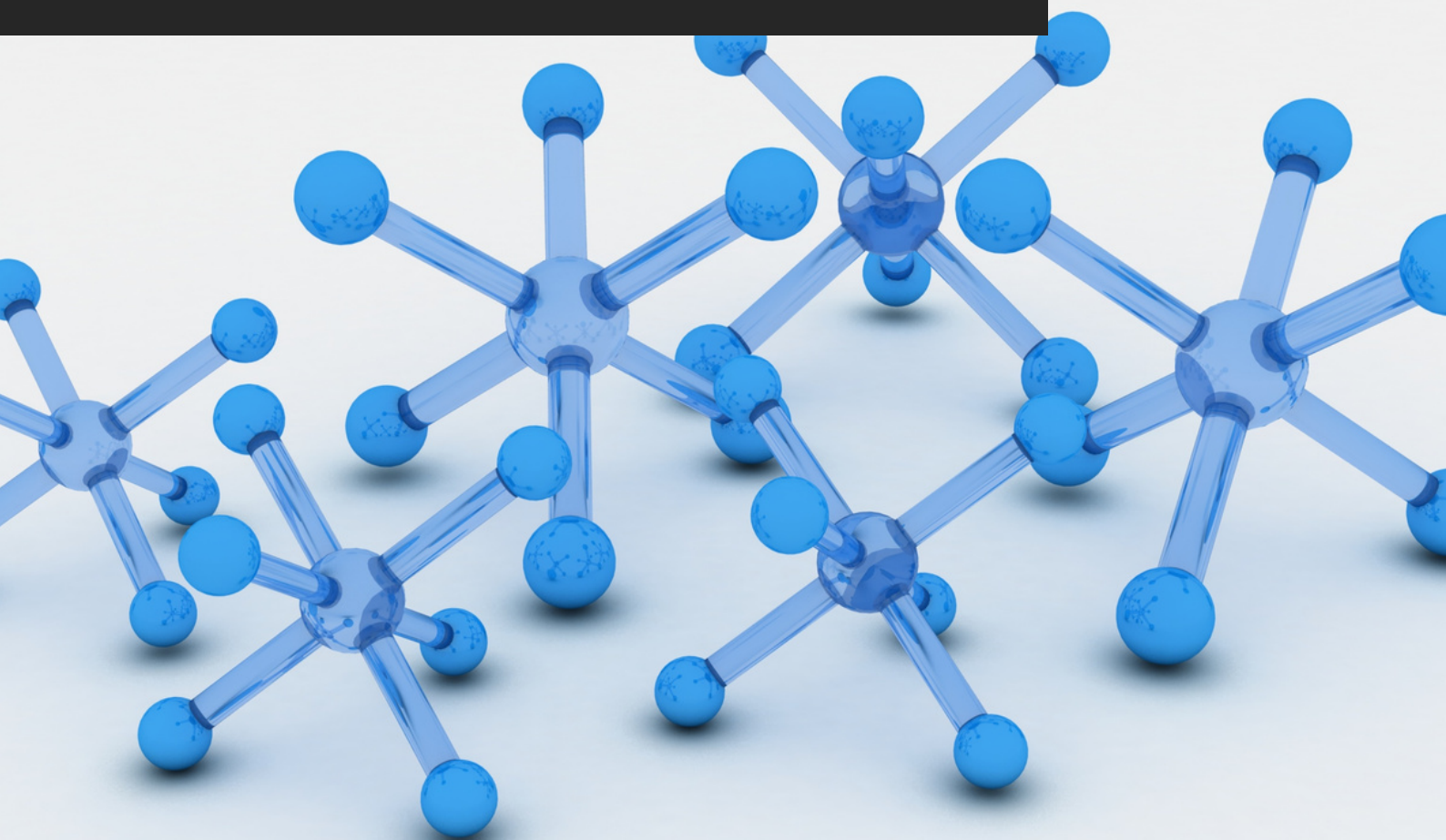


TDS_751

HYDRO TILES & MELAMINE

TECHNICAL DATA SHEET
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Hydro Tiles & Melamine_TDS_751_2025_v1.0_EN

Visit our website and learn
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TECHNICAL DATA SHEET

HYDRO TILES & MELAMINE

Water based acrylic enamel paint for tiles and melamine

Main Features:

1. Advanced acrylic-enamel technology for superior hardness.
2. Water-based, low odor, and environmentally friendly.
3. High scratch and abrasion resistance.
4. Excellent washability and stain resistance.
5. Non-yellowing formula for long-term colour retention.
6. Fast drying with strong early block resistance.
7. Smooth enamel-like finish with high leveling.
8. Strong adhesion on wood, metal, and walls.
9. Suitable for both interior and exterior use.

Applications:

1. Ceramic wall tiles (indoor).
2. Melamine and laminate kitchen cabinets.
3. Bathroom furniture and tile surfaces.
4. Glossy panels, doors, and built-in cupboards.
5. MDF/HDF furniture panels.
6. Interior doors and trim requiring hard finishes.
7. Painted or unpainted wood surfaces requiring extra adhesion.
8. PVC profiles (with proper cleaning + sanding).
9. Refurbishment of non-porous decorative surfaces.

Technical Specifications & Typical Values

Binder Type	Acrylic
Colour	Available in bases: P, D & TR for tinting in any shade by using color-tinting machines.
Diluent	Water
Density at 22°C (ISO 2811)	1.28 Kg/L
Solids %w/w	~ 55% *
VOC (2004/42/EC)	117 g/L – (A/i/SB) One-pack performance coatings - VOC compliant
Dry film thickness (2 coats) (ASTM D6132-13(2017))	76 µm
Hardness by Instrumented indentation (ISO 14577)	158 MPa

*depending on the tinting base

**depending on surface absorption, tinting base & application method

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Technical Specifications & Typical Values

Method	Paint brush, roller or spray gun
Coverage per coat	8-10 sqm/L **
Recoatability	6 h
Shelf life	12-24 months
Touch Dry Time at 22°C	30-60 min
Dry Through Time at 22°C	24 h
Ambient air temperature	min. +10°C / max. +40°C
Relative air humidity	20 % min. / 55-60 % max.
Curing time	Note: Times are approximate and will be affected by changing ambient and substrate conditions, particularly temperature and relative humidity.
Fully Polymerized	7 days

*Depending on the tinting base

**Depending on surface absorption, tinting base & application method

***Drying times are temperature, humidity, and film thickness dependent

TECHNICAL DATA SHEET

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HYDRO TILES & MELAMINE preparation:

Substrate quality & preparation:

1. The substrate must be cured, solid, clean, dry and free of all contaminants such as dust, dirt, oil, grease, surface treatments, etc.
2. Surface defects such as cracks, blow holes, and voids must be fully exposed and repaired.
3. Uneven substrate should be leveled to produce a roughened flat surface.

HYDRO TILES & MELAMINE preparation:

While using brush or roller dilute with water by 10% for **first layer** and 10% for **second layer**

In the case of spray gun application, dilute with water by 20%

Important application remarks:

1. Untreated substrate defects could lead to reflective coating defects and reduced performance.
2. For tool cleaning right after use water and soap, always following the local HSE rules.

Packaging:

Metal can of:

0.75-L

2.5-L

10-L

Storage:

Shelf life: 12-24 months from the date of production, in original unopened packaging in a cool and dry condition between +5°C and +35°C. Protect from direct sunlight, heat, temperature extremes, and moisture. Failure to comply with the recommended storage conditions may result in premature deterioration of the product packaging and which may cause inconsistent workability, finish and cure times of the material.

Health, Safety & Environment:

Read the product label carefully before use. The Technical Data Sheet should be read in conjunction with the Safety Data Sheet.

HYDRO TILES & MELAMINE

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Paint System

Contact Akteon Paints for case-by-case recommendations at: contact@akteonpaints.com or visit www.akteonpaints.com

Disclaimer: The information contained in this publication is based on our scientific knowledge, laboratory studies and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. This information is for use by technically skilled persons at their own discretion and risk. The user alone has the responsibility to ensure that existing laws and legislation are observed when using the products.