Hyrid
Professione colore

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s.101 - TACTO

HIGH QUALITY STAIN-PROOF WATER-BASED ENAMEL FOR INTERIORS

1) GENERAL INFO and PURPOSES

Innovative acrylic resin-based wall water paint with special spherical fillers that give the product an exceptional stain removal ease on the most difficult dirt and an incredible surface resistance. The product is also characterised by excellent brushability and spreading power with a particularly mat finish. It is ideal for finishing interiors that require total cleanability and convenient maintenance. Thanks to the low content of Volatile Organic Compounds (VOC), it can be applied in any indoor living environment, public places, schools, hospitals, or food companies where total surface washability is required. Following adequate preparation, TACTO can be applied on multiple substrates: traditional plasters, premixed plasters, cement, wood panels, fibre cement or plasterboard, offering the maximum stain removal on the smoothest substrates.

2) CHARACTERISTICS and CLASSIFICATION (UNI EN ISO 13300)

(*) Specific Weight (UNI 8910)	**1.58 Kg/litre ± 20 g/litre**
(*) PH at packaging	**8.3 ± 0.3**
(*) Kinematic viscosity at 25°C (gir. 4 at V = 20)	**3000 cps ± 500 cps**
(“) Classification by chemical type of binder	**Acrylic in aqueous emulsion**
(“) Classification by end use	**Decoration and Protection**
(°) Fineness of grind (EN 21524)	**Class: S1**
(“) Dry Residue Mass (p/p)	**68.9%± 2**
(“) Dry Residue Volume (v/v)	**51% ± 2**
(“) Recommended coverage	**14 – 16 sq.m./l per coat**
(°) Filmability at low temperature (UNI 10793)	**Good also at +5°C**
(°) Gloss (UNI 2813)	**Very Mat Finish (from < 5 Gloss)**
(°) Coverage capacity Met. Kubelka-Munk (ISO 6504-1)	**0.98 with coverage equal to 7.7 m²/l**
(°) Dirt pick up (UNI 10792)	**Very low: ΔL ≤ 3**
(°) Release of odour (UNI 11021 App. A)	**(≤ 1) Measured value: 0**
(°) Mould resistance (Aspergillus niger, Penicillium sp, Paecilomyces fulvum) (UNI 11021 App. C)	**No development**
(°) Resistance to liquids: Chloroactive, alkaline degreaser, acid descaler, disinfectant) (UNI 11021 App. D)	**Blistering: absent** **Cracking: absent** **Flaking: absent**
(°) Stain resistance (UNI EN 12720)	**10% aqueous acetic acid solution: absent** **10% aqueous ammonia solution: absent** **Soluble coffee: very light yellowing** **96% undenatured ethanol: absent** **Condensed milk: absent** **Olive oil: absent** **Black breakfast tea: light yellowing**

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(°) Specific migration of epoxy derivatives (70% distilled water / 30% acetonitrile) (Reg. EC no.1895/2005)	**< 1**
(°) Washability (UNI 10560)	**Excellent resistance to washing Exceeding 20.000 cycles**
(°) Resistance to wet abrasion (UNI EN ISO 11998:2006)	**Class 1 (< µ5 after 200 cycles)**
(“) Resistance to alkalis (UNI10795 App.A)	**Can also be applied on cementitious substrates**
(“) Water vapour permeability (UNI EN ISO 7783)	**High (V>150 g/m^{2}d)**
(“) Applicability and Top Applicability (UNI 10794)	**Easily applicable 1st coat: no difficulty 2nd coat: good after 4 hours**
(°) Resistance to humidity (UNI EN ISO 6270: -1)	**Evaluation made after 24h Softening: absent Blistering: absent Cracking: absent Flaking: absent**
(°) Determination of VOC content (UNI EN ISO 11890-2)	**Method 2: 2.4 g/l Method 2: 0.15% “High-performance single-component paints” VOC limit for this cat (A/i): 140 g/l (2010)**
(°) Total VOC concentration in Toluene equivalents	**µg/m³ 246**
(°) Indoor Air Emission Classification	**A+**
Colours	**White**

HACCP result UNI EN ISO 11021

Paint system suitable for environments where food is present.

- Suitable for walls, ceilings and surfaces for which resistance to both washing and mould is required
- Can be washed with:
  - □ Detergent A – chloroactive
  - □ Detergent B – alkaline degreaser
  - □ Detergent C – acid descaler
- Suitable for surfaces that must be disinfectable, using detergent D (generic disinfectant)
- Stains from:
  - □ 10% aqueous acetic acid solution
  - □ 10% aqueous ammonia solution
  - □ Soluble coffee
  - □ 96% undenatured ethanol
  - □ Condensed milk
  - □ Olive oil
  - □ Black breakfast tea

Can be removed if treated with n-dodecyl-benzene-sulphonate sodium solution at 0.25% within 24 h.

Key:
(“): Calculated/verified first formulation/revision.
(*): Check carried out every tested lot.
(°): Check carried out once a year by an external certified laboratory.

Note: the technical data shown above refers to White.
Coverage may vary depending on the characteristics of the substrates and the application system used.

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3) APPLICATION INSTRUCTONS

3.1 Working and substrate conditions

Working and substrate temperature: minimum +5°C maximum +35°C
Air relative humidity: maximum 65%
Relative WME substrate humidity: 15% Max

3.2 Instructions for use

Application	Roller	Brush
Thinner: Water	**Ready to Use MAX 8 %(v/v)**	**Ready to Use MAX 8 %(v/v)**
Solvent for cleaning	Soap and water immediately after use	

3.3 Drying or hardening at 23°C and 65% relative humidity.

Drying time: 1 hour
Dry-to-recoat time: minimum 4 hours
Deep drying time: 12 hours

4) RECOMMENDED APPLICATION CYCLES

4.1 Preparation on NEW WALLS and PLASTERBOARDS

Plasters should be cured and dry, clean, free of dust and of poorly consistent parts. Fill and sand imperfections, insulate the repairs. As a preparation coat, proceed with application preferably with a brush to facilitate penetration of the basecoat **Fondo Base s.131** diluted with 30 - 50% v/v water. Let dry for at least 4 hours and proceed with application of TWO coats (4 hours apart) of **Tacto s.101** diluted maximum 8% with water, depending on the type of application. **Tacto s.101** can be applied with a roller or a brush.

4.2 Preparation on OLD WALLS

Old surfaces with firmly bonded paints will be cleaned dust-free and fixed. Surfaces with paint that is not adequately bonded will be scraped and washed with basic detergents or water and ammonia. Then proceed with grouting and sanding any imperfections, followed by a thorough cleaning of the substrates, that must be free of dust or poorly consistent parts. Any mould formation should be neutralised and removed. As a preparation coat, proceed with application preferably with a brush to facilitate penetration of the basecoat **Fondo base s.131** diluted with 30 - 50% v/v water. Let dry for at least 4 hours and proceed with application of at least TWO coats (4 hours apart) of **Tacto s.101** diluted maximum 8% with water, depending on the type of application. **Tacto s.101** can be applied with a roller or a brush.

5) FURTHER TECHNICAL INFORMATION

The elimination of stains depends on the contact time of the dirtying agents. If treated immediately, most are easily removable simply with water. See the table below for dirt removal treatment. To clean stains, use a kitchen sponge dampened with water and a "Marseille" type neutral dish detergent.

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Kind of dirt	15 min	1 hour	6 hours	24 hours (**)
Highlighters	Disappears	Disappears	Disappears	Disappears
Water-based markers	Disappears	Disappears	Disappears	Disappears
Markers (*)	Disappears	Disappears	Disappears	Disappears
Mayonnaise	Disappears	Disappears	Disappears	Disappears
Mustard	Disappears	Disappears	Disappears	Slightly visible
Ketchup	Disappears	Disappears	Disappears	Disappears
Pencil	Disappears	Disappears	Disappears	Disappears
Ink pens (*)	Disappears	Disappears	Disappears	Disappears
Lipstick	Disappears	Disappears	Disappears	Disappears
Blood	Disappears	Disappears	Disappears	Disappears
Red wine (*)	Disappears	Disappears	Disappears	Slightly visible
Olive Oil	Disappears	Disappears	Disappears	Disappears
Vinegar	Disappears	Disappears	Disappears	Slightly visible
Coffee	Disappears	Disappears	Disappears	Slightly visible
Tea	Disappears	Disappears	Disappears	Slightly visible
Coca Cola	Disappears	Disappears	Disappears	Disappears

(*) Some inks may be particularly tough and resistant to stain removal. In these cases, we recommend removing the stain using a sponge and neutral dish detergent, avoiding particularly aggressive products such as dishwasher detergents. Let detergent sit for a few minutes and rub until the stain has completely disappeared.

(**) Some dirtying agents may leave visible marks with prolonged contact times. In this case, we recommend letting it dry thoroughly and repeating the cleaning treatment.

Note: Tacto s.101 achieves maximum washability and stain removal performance at least ten days after application.

6) STORAGE INSTRUCTIONS

Maximum storage temperature: +40 °C
Minimum storage temperature: +5 °C

7) SPECIFICATION

Alkali-resistant, acrylic binder-based, non-yellowing water wall paint formulated for the Protection and Decoration of indoor products (UNI EN 13300_2002). Water-repellent Characterised by Very Low dirt pick up (UNI 10792) : (dL < = 3). Very Mat appearance (UNI EN 13300_2002). Water-repellent. Excellent resistance to washing (UNI 10560) over 20,000 brush strokes. Resistance to wet abrasion Class 1 Class 1 (< µ5 after 200 cycles) (UNI EN ISO 11998:2006). Highly Permeable to water vapour (UNI EN ISO 7783) Suitable for preventing mould growth (UNI 11021 App. C). Volatile organic substance content not exceeding 2.5 g/l and 0.15% (UNI EN ISO 11890-2 Method 2). With Formaldehyde content in product ≤ 2 mg/kg. Resistant to liquids: Chloroactive, alkaline degreaser, acid descaler, disinfectant) (UNI 11021 App. D). Stain resistant (UNI EN 12720). Product suitable for application in public places, hospitals, food companies, schools where low dirt absorption and easy surface cleaning are required.

8) SAFETY INDICATIONS

See EEC labelling, comply with the updated Safety Data Sheet.

The manufacturer reserves the right to change the technical characteristics of the product without prior notice. Check www.hyrid.it for updated Safety Data Sheets.

Rev. 00 of 04/07/2019