



TECHNICAL DATA SHEET

3.2 WATER-BASED

► Acquatex Water-based enamel (Matt)

Acrylic enamel

1165 / Version 10 / 04-03-2025



DESCRIPTION

Water-based acrylic enamel.

PROPERTIES

- Pleasant to the touch
- Good levelling and brushability.
- Resistant to the negative effects of weathering.
- Good wet scrub resistance.
- Good adhesion on difficult surfaces.
- Does not yellow over time, not even in dark conditions.
- Resistance to chemical cleaning agents
- Resistant to the alkalinity of the surface, such as cement mortars, concrete, brick, etc.
- Does not contain organic solvents.
- Interior and exterior application.

USES

Advisable for lacquering wooden doors and windows. Protection of a large variety of surfaces (duly primed) such as wood, plaster and iron. Suitable for toy painting (Complies with Standard UNE EN 71-3).

TECHNICAL DATA

Appearance	Silky matt.
Colour	White and colours from the Sistema tintométrico Esencia charts.
Density at 20°C (Kg/L)	1.30 ± 0.05
Content in solids % volume	43
Fire Resistance classification (EN13501-1)	A2-s1-d0
Yield (m²/L):	8 - 12
Wet scrub resistance (UNE-EN ISO 11998)	Class I
Touch dry (20°C) (min)	30 - 60
Second coat (hours)	5 - 6
Total drying (days)	15 - 20
Thinner	Water.
% brush or roller dilution	0 - 5
% spray gun dilution	5 - 15
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 26,90 g/l

HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted must be clean, dry and free of dust, grease, saltpetre, etc.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.



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SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not paint at a temperature of below 7°C .

SURFACE HUMIDITY:

The surface temperature should be 2 - 3 °C above dew point when painting.

AMBIENT CONDITIONS:

It is not recommended to paint in rainy weather or at times of peak heat.

SURFACE PREPARATION

UNPAINTED SURFACES:

Concrete:

- Removal of product residues and foreign substances.

Wood:

- Removal of product residues and foreign substances. Must be properly sanded after removing all dirt. Apply a coat of suitable primer according to the table of possible application systems and sand gently. Then apply two coats of finish, sanding gently between layers.

Iron and Steel:

- Remove any existing mill scale. Remove any rust or rusted material (by sandblasting or scraping and mechanical or manual brushing), until a rust-free surface remains. Apply 1 or 2 coats of anti-rust primer according to instructions given in the possible application systems.

PRE-PAINTED SURFACES IN POOR CONDITION:

Iron and Steel:

- If the surface is in poor condition or flaking, poorly adhered residues must be removed using chemical or mechanical stripping
- Remove any existing mill scale. Remove any rust or rusted material (by sandblasting or scraping and mechanical or manual brushing), until a rust-free surface remains. Apply 1 or 2 coats of anti-rust primer according to instructions given in the possible application systems.
- Suitably protect by applying two coats of anti-rust primer. (See possible application systems)

Concrete:

- Removal of product residues and foreign substances.

Wood:

- Wood painted with synthetic enamel: Remove by stripping and then paint as if it were a new surface.

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POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Acquatex matt finish. At least two top coats are recommended. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case.

PRIMERS:

- Acquatex Primer: Non-ferric metal surfaces free from rust (stainless steel, galvanised steel, aluminium, etc.). Non-metallic surfaces (wood, plaster, PVC, tiles, etc.) Yield: 8-12 m²/L. Coats: 1
- Fixacril Solvent-based acrylic fixer: Non-consolidated absorbent surfaces: Yield: Concrete: 15-20 m²/L. Cement mortars: 10-15 m²/L. Fibre cement: 10 - 15 m²/L. Plaster/Cast plaster: 5 - 15 m²/L. Painted surfaces: 15 - 20 m²/L. Coats: 1
- Fixenol Consolidating primer: indicated for fixing, consolidating and sealing mineral substrates (cement mortar, concrete, Catalan tile, etc.) Yield: Concrete: 15-20 m²/L. Cement mortars: 10-15 m²/L. Fibre cement: 10 - 15 m²/L. Plaster/Cast plaster: 5 - 15 m²/L. Painted surfaces: 15 - 20 m²/L. Coats: 1
- Fixenol Pigmented: non-homogeneous surfaces (various materials, areas with different colours, repairs, etc.), where FIXENOL PIGMENTED is to be applied in the desired colour, in order to regularise the colour, absorption and appearance of the surface. Yield: 8 - 15 m²/L. Coats: 1
- Isacrílico Sealing emulsion: consolidating primer for porous surfaces. Undiluted product yield: Concrete. 30-60 m²/L. Cement mortars: 15-20 m²/L. Fibre cement: 15 - 25 m²/L. Plaster/Cast plaster: 10 - 15 m²/L. Painted surfaces: 15 - 40 m²/L. Coats: 1
- Isalnox Water-based Multi-adhesive Primer: protection of rust-free metallic surfaces (steel, galvanised steel, aluminium, etc.), sealant for non-metallic surfaces (wood, gypsum, PVC, etc.) Yield: 8 - 10 m²/L. Coats: 1
- Xanol Sealant: sealing and filling of wood surfaces. Yield: 8 - 12 m²/L. Coats: 1
- Xanol Wood filler: smoothing of absorption of surfaces and increase in yield of finish. Yield: 1 - 12 m²/L. Coats: 1
- Isalnox acqua primer: protection of rust-free metal surfaces (steel, galvanized steel and aluminium...). Yield: 7-9 m²/L. Layers: 1

FINISH ACQUATEX ESMALTE AL AGUA (MATE):

- Yield: 8 - 12 m²/l
- Coats: 2

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

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LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.