



Ard f.lli raccanello s.p.a.

Industria vernici e smalti

TECHNICAL SHEET **97**

CODE 0.553

Ard Fill

Acryl-siloxanic anti-algae filling finish

GENERAL PROPERTIES

Ard Fill is a micro-coating which offers a remarkable filling & covering power, excellent resistance to alkali, extreme weather, atmospheric agents & optimum substrate adhesion. It also offers a notable water vapour permeability, water repellence & low capillary water absorption.

Its specific broad-spectrum biocides lend an effective protection against the spreading of algae, fungi & mould on the dry film applied to the wall.

Ard Fill offers a particular innovative technology lending not only an optimum applicability but a notable scratch/wash resistance, low dirt retention hence specific for the protection & decoration of new buildings or for restoration work.

The use of SILIARD PRIMER as an impregnating primer, improves water absorption.

INSTRUCTIONS

Substrate preparation:

Bare walls: allow at least 28 days weathering, clean thoroughly & remove any unsound paintwork. Ensure the wall is perfectly dry & pretreat with one of the following impregnating sealers ISOLEX W, ISOLEX, ARDFIX diluted (1 part of product in 8 parts of water) or PRIMER RIEMPITIVO COPRENTE. Use SILIARD PRIMER for a durable finish.

Painted or partially decayed walls: remove any unsound paintwork and efflorescence. Use ARDSAN RISANANTE MURALE 0.916.0000 to treat mould. Clean thoroughly; fill imperfections with ARDPLAN AS or ARDPLAN BS.

Ensure the wall is perfectly dry & consolidate with a hand of ISOLEX W, ISOLEX or SILIARD PRIMER.

Use PRIMER RIEMPITIVO COPRENTE, RASANTE A PENNELLO or RASARD to treat heterogeneous surfaces.

If the surface is dark or the hue is uneven pretreat with a hand of PAINTGUM 7 FILL.

Allow at least 12 hrs before applying Ard Fill.

Application:

Apply Ard Fill as follows:

- Brush: stir well, dilute at about 30% in water volume and proceed with the application. Allow 4 hrs reapply diluting Ard Fill at 25% in water volume.
- Roller: (wool or synthetic): dilute at 15% in water volume.
- Due to the aggregates abrasive action compressed (airless) spraying is not recommended.
- Do not apply at substrate or ambient temperature below +5°C or above +35° C; avoid application in direct sunlight.
- After application, outdoor surfaces must be protected against rain until perfectly dry (usually after 48 hrs at 20°C).
- Store the product in cool, frost free premises.
- Wash equipment immediately after use with water.
- When different batches of colour products are used, we recommend mixing together in order to avoid slight colour variations. Walls with efflorescence or subject to rising damp must be restored before application in order to guarantee adherence.
- Ard Fill is one of the 16 COLOURS tinting systems' products.
- Use products in compliance with current Health & Safety Regulations. Dispose of spent material/containers according to the local regulations. Do not empty excess material into water tables.

TECHNICAL PROPERTIES

SPECIFIC WEIGHT	1580 ± 80 g/l
VISCOSITY AT 20°C	30.000 ± 4000 cP
BINDER	Acryl-siloxanic
WATER VAPOUR PERMEABILITY (DIN 52615 WET-CUP)	WDD = 440 g/m² 24hrs
= AIR LAYER THICKNESS	Sd=0,088 m
CAPILLARY WATER ABSORPTION WITH ISOLEX	W=0,194 kg/m²√t
CAPILLAY WATER ABSORPTION WITH SILIARD PRIMER S	W=0,03 Kg/m²√t
RESISTANCE UV RAYS	Upper 3 on grey scale
ALKAL RESISTANCE	No structural or cromatic change
DRYING AT 20 °C *	Touch dry: 2 hrs in depth: 48 hrs

YIELD

A cycle of two hands implies a yield of approx 4,5 m²/l. The same refers to even substrates with a mean absorption. Testing on specific substrates is recommended.

SPECIFICATIONS

Acryl-siloxanic filling finish

Application on pre-treated surfaces of two hands of acrylic filling emulsion paint based on copolymers in aqueous dispersion & light/outdoor solid pigments type Ard Fill with capillary water absorption in compliance with UNI EN Regulation 1062-3 $W \leq 0,1 \text{ Kg/m}^2 \text{ h}^{0,5}$ - water vapour permeability in compliance with the UNI EN Regulation ISO 7783-2 $S_D \leq 0,14$ metres with a minimum consumption of 0,22 l/m².

€/m²

The data herein were correct at the time of Quality Control & refer to standardized environmental conditions. The same are to be considered as a guide.
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