

Technical Data Sheet NR 11029

WATER BASED TRANSPARENT MONOCOMPONENT IMPREGNATING AGENT

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ICA S.p.a. Via S. Pertini n. 52, Zona Ind.le A 62012 Civitanova Marche (MC) - Italy
Tel. +39 0733 8080 Fax. +39 0733 808140

PRODUCT: IM216 WATER BASED TRANSPARENT MONOCOMPONENT IMPREGNATING AGENT

DESCRIPTION: transparent monocomponent water based impregnating agent specially studied for the protection for wood both indoors (beams, ceilings) and outdoors (frames, shutters, match boarding, fences, etc.) Its main characteristics are: excellent elasticity and outdoor resistance, good penetrating action, ease of application and maintenance. Generally suitable for conifer and mahogany woods.

USE: frames and shutters and wooden objects for outdoor use, as well as indoor beams and ceilings.

SPECIFICATIONS OF SUPPLIED PRODUCT

Physical state: colourless liquid
Solid content %: 10 ± 2

Minimum temp. of film formation: 5 °C

SUBSTRATE: bare wood sanded with grain 150-180 paper or with sanding machines. Avoid the use of steel material for sanding as this could cause the formation of marks.

APPLICATION: By spray, brush, immersion and flow coating directly onto bare wood or onto wood treated with our impregnating agents. In the case of old wood which has already been treated with other paints, it is necessary to completely remove any traces before application. The product should be applied in temperatures above 15°C as at lower temperatures the chemical-physical properties of the film of paint decrease rapidly.

OVERCOATING: after 2-4 hours from application of the last coat.

Coat with our monocomponent water based products for outdoors. IM216 can also be coated with our bicomponent water based polyurethane paints. For specific cycles consult our technical assistance service.

DRYING:

Dust free: 30-45 minutes at 23°C and 60% R.H.
Stackable: vertically after 12-24 hours
Sandable: after 4-6 hours from application of the last coat

DILUTION: IM216 is ready to use. In flow coating or immersion application it is necessary to check viscosity periodically with Ford cup no.2, and make sure it is maintained constant adding demineralized water when necessary.

QUANTITY TO APPLY: 30-80 microns of wet film

NUMBER OF COATS: maximum 3 coats

INTERVAL BETWEEN COATS: 1-4 hours with drying at 20°C and 60% U.R.

EXAMPLES OF PAINTING CYCLE:

this impregnating agent must be used as a first coat in a painting cycle which will then be followed by application of a base and top coat. Hereunder are two examples of painting cycles.

A) water based stained cycle on outdoor frames and shutters made of wood without tannin (eg. Pine) with intermediate base coat:

- 1) sanding of bare wood with final grain 180 paper.
- 2) flow coating, immersion or brush application of monocomponent coloured impregnating agent IM216C..
- 3) after 2-4 hours without sanding, flow coating or immersion application of one coat of intermediate transparent base coat IM441.
- 4) Sanding after minimum 12 hours with spaced grain 280/320 paper.
- 5) after no more than 24 hours from sanding of the intermediate base coat, spray application of one coat of 275-300 microns of wet film of transparent top coat LA321IECPLUS.

B) water based stained painting cycle for outdoor frames and shutters made of wood without tannin (eg. Spruce) with spray application of base coat:

- 1) sanding of bare wood with final grain 180 paper.
- 2) flow coating, immersion or brush application of monocomponent coloured impregnating agent IM216C..
- 3) after 2-4 hours without sanding, spray application of one coat of transparent monocomponent base coat FA34.
- 4) Sanding after minimum 12 hours with spaced grain 280/320 paper.
- 5) after no more than 24 hours from sanding of the base coat, spray application of one coat of 275-300 microns of wet film of transparent top coat LA321IECPLUS.

NB: the times mentioned above refer to ambient climatic conditions of 23°C and 65% R.H. The sandpaper grain mentioned refer to the FEP classification.

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AVAILABLE COLOURS: available in the colours from the ICA ARBOREA colour chart, and in sample colours

STORAGE INFORMATION: do not expose to temperatures below 5°C and above 35°C for long periods

SHELF LIFE AT 20°C: 12 months in correctly stored tin

SAFETY ADVICE:

product for professional use.

Apply in well ventilated areas

NB:

1) do not use the product at temperatures below 15°C

2) in immersion application use protective gloves and goggles. After application cover the impregnating baths well, to avoid water evaporation. If the paint in the bath is not renewed constantly it is advisable to put it back into its original container, taking care to filter it carefully to eliminate any dust or impurities, before closing the tins, which should in turn be tightly closed.

3) to increase the stability of the paint in the immersion baths, add monthly 0,1-0,2% of AD137 stabilising additive for water based products. It is also advisable to clean the baths regularly.

4) for outdoor cycles it must always be coated with our top coats.

5) a painting cycle with IM216 can not block seeping of natural resins from coniferous wood.

6) this product is not suitable for application onto woods rich in tannin such as oak and chestnut. On Iroko and Framiré it is advisable to carry out preliminary tests.

| SPECIFICATIONS OF SUPPLIED PRODUCT CHARACTERISTICS | UNITS | VALUE | METHOD |
|--|-------|----------------|--------|
| Specific gravity at 20°C: | g/ml | 1.01 ± 0.05 | MP01 |
| Visc. F.C. 2 at 20°C: | sec | 24 ± 3 | MP04 |
| DIN Visc.: | sec | 47 ± 3 C.DIN 2 | MP04 |
| pH value: | / | 6.5 - 7.0 | MP13 |

The quality control value of the viscosity refers to the product immediately after checking. Any variations of the data specified in the technical data sheet could be due to circumstances such as length and conditions of storage.

Always verify the suitability of the product for the job to be done before application. We can not accept responsibility for the outcome.

The information contained in this technical data sheet, as well as any verbal information, is given to the best of our knowledge. We do not accept responsibility for obsolete or incorrect information. The information is to be considered obsolete when a new technical data sheet is issued. Please feel free to contact us to request the latest edition.