



FA20FR

Detailed Description

Technical Description



2K CLEAR WB BCOAT

2K CLEAR WB FIRE RETARDANT INDOOR BASECOAT PROMETEA

Transparent, water-based, bicomponent fire-retardant base coat for parquet. The base is part of two fire-retardant coating cycles for floors: one called VPAFR, which is classified as class Bfl-s1 in accordance with European standard EN 13501, and the other called IT VPAFR, which is certified as class 1 in accordance with Ministerial Decree 06/03/92 for floors.

Main Data

Primary Sector	<ul style="list-style-type: none"> ✓ Wooden flooring ✓ Industrial Parquet
Line of product	

Regulations

Emissions	A Low Emission
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Chemical and Physical Properties

Solid Content %	41.0 ± 2
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Instructions for use

Instructions for use	<p>The following is a description of the VPA FR fire-retardant cycle for parquet, classified according to European standard EN 13501-1:</p> <ul style="list-style-type: none"> - Sand the surface of the wood to be treated and carefully vacuum the sanding dust. - Harden the product at 10% with CA550FR and eventually dilute it at 5-10% with water, preferably demineralized. - Apply the first coat of the product using special rollers for water-based paints such as our 04G25A502 microfiber roller and spread the product evenly without any flaking or accumulation. - After approx. 3-4 hours, carefully sand the surface with 240/320-grit abrasives, carefully vacuum the dust, then apply the second coat as for the first coat if necessary. - The total quantity of base-coat to be applied is 120 g/m². If diluting with water, recalculate the exact quantity to be applied for each coating. - Dry for approximately 4 hours. - Repeat the sanding process and apply one coat of the fire retardant top coat VPA220FRGX. - The surface can be walked on after at least 24 to 48 hours at 25°C, 60% R.H., in a ventilated environment <p>The following is a description of the fire-retardant cycle for parquet IT VPAFR, classified in</p>
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fire reaction class 1 according to D.M. 06/03/92:



- Sand the surface of the wood to be treated and carefully vacuum the sanding dust.
- Harden the insulating product FA1X at 10% with CA508 and apply 60 g/m²;
- After about 3 hours, apply the primer FA20FR at 10% with CA550FR and eventually dilute it at 5-10% with water, preferably demineralized.
- Apply the first coat of the product using special rollers for water-based paints such as our 04G25A502 microfiber roller and spread the product uniformly without any detaching or accumulation.
- After approx. 3-4 hours, carefully sand the surface with 240/320-grit abrasives, carefully vacuum the dust, then apply the second coat as for the first one.
- The total quantity of base coat to be applied is 120 g/m². If diluted with water, recalculate the exact quantity to be applied for each coating.
- Dry for approximately 4 hours.
- Repeat the sanding process and apply a coat of fire retardant top coat VPA220FRGX hardened at 10% with CA550FR in a quantity of 100 g/m².
- The surface can be walked on after at least 24 to 48 hours at 25°C, 60% R.H., in a ventilated environment.

Substrate


Substrate	✓ Bare wood
Substrate preparation	✓ Sand the bare wood with grain 150 and then with grain 180 paper. Dust carefully with compressed air.
Substrate preparation Notes	Once sanded, carefully vacuum the dust. For the VPA FR cycle, it is recommended to make a preliminary application on the wood to be painted. In case of bleaching phenomena, it is preferable to apply a first coat of 80 g/m ² of FA10 or FA11 catalysed at 10% with CA508. When working with dark woods or woods rich in extractives, we recommend a preliminary treatment consisting in the application of FA10 basecoat/insulator catalysed at 10% with CA508.
Substrate information	All general information refers to ICA Group products



Application


Hardener	Hardener CA550FR	% in weight 10.0	% in volume 10.0	Pot life (h) 4	How to add Mix mechanically or manually
Hardener Notes	The product should be catalyzed at 10% by weight with the appropriate catalyst for fire-retardant coatings for parquet, CA550FR. CA550FR can also be dispersed in the first component by hand, stirring the mixture carefully and vigorously.				
Product preparation notes	to dilute it with 5-10% of water, possibly demineralized. To slow down the drying process, in case of relatively high environmental temperature, a solution of water and D1072 can be used, in a 1/1 ratio. Do not exceed the total added percentage of D1072 of 5%. For spray applications the coat, suitably catalyzed, can be used as it is.				
Application  	Application Manual roller Spray-paint	Application Notes			
Quantity per coat (g/sqm)	Quantity per coat (g/sqm) 120	Max quantity (g/sqm) 120.0			
Number of coats	Two				
Interval between coats (23°C 50% RH) (h)	4				
Overcoatings Notes	Two consecutive coats at a minimum 1 hour of distance, or two coats with intermediate sanding to be done after a minimum time of about 3 hours.				

Drying

Touch dry (23°C 50% RH) (h) 	1.5
Completely dry	3 to 5 days.
Drying and cross-linking information	The figures indicated serve as a guide and are for reference. The drying time depends on the substrate, coat thickness, temperature, relative atmospheric humidity and ventilation.



N.B.

<p>Shelf life (days)</p>	<p>180.0</p>
<p>Storage Information</p> 	<p>For intact and correctly stored product</p> <p>Store at temperatures above 10°C and below 30°C</p>
<p>N.B.</p>	<p>We remind you that fire retardant certification according to Ministerial Decree 06/03/92 remains valid for the treatment of wood-based materials with the exception of:</p> <ul style="list-style-type: none"> - materials veneered with sliced or peeled wood using thermoplastic resin-based adhesives - assembled with cellular or blockboard structure, including air cavities or filled with materials of heterogeneous nature. <p>In the packaged product, with time passing by, the fire-retardant substances tend to deposit on the bottom of the tin and form easily dispersible layers of sediment. For this reason, it is recommended to mix the product with mechanical stirrers, if possible, or with metal stirring rods before use. Cans of paint that have already been used and/or have been closed incorrectly could show the formation of pellicles, made of dried product. This does not compromise the quality, but it is necessary to filter the paint before use.</p> <p>To clean the tools, use drinkable water; to guarantee a longer life for the tools, it is advisable to keep them in washing solvent.</p> <p>If the parquet is to be used on a surface with underfloor or radiant heating, it is necessary to apply the water-based primer FA10-CA508.</p>

Legal notice

The working method, the application conditions, the production cycle, the use of machinery, the ambient conditions, the characteristics of the supports used, the place of use, are beyond our control and our obligations. Therefore it is essential that you test our products and the information supplied by us to make sure that they are satisfactory and suitable for the use and application methods that you intend them for and for the results you wish to achieve. This specific analysis is exclusively your responsibility and must include assessment of suitability from a technical and procedural, environmental, health and safety point of view. Any written or verbal information given by our technical and/or commercial personnel is purely to illustrate the product and help the client, and does not constitute instructions or consultancy, which remains expressly excluded. The above mentioned written or verbal information is subject to changes without prior notice and does not imply any acceptance of responsibility by our company to you and to third parties. The product is supplied in perfect conformity with the contents of this document; we therefore guarantee the consistency of the chemical-physical characteristics of the product taking into account the allowances and data contained in our technical data sheets.

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