

Fecha de Alta

10-07-2014

Versión

1C - 14/03/2023



FAMILY
LINE

PRODUCTOS PARA USO ESPECIFICO
VARIOS

DESCRIPTION AND NATURE

Functional acrylic graphite-based coating. Ideal as a primer for the attenuation of electromagnetic wave levels thanks to its reflective and conductive properties. This product contributes to LEED®, BREEAM® and VERDE certifications.

USAGES

Outdoors/Indoors
Cement
Facades
Wood after varnished
Cement mortars
Lime Mortars
Porous brick

PROPERTIES

Good coverage
Solvent-free
Recommended for areas susceptible to environmental pollution caused by electromagnetic fields
Zero splash (tixoless technology)
No dripping
Certified to IEC 61000-4-21 (Frequency range 300 MHz - 18 GHz) (National Aerospace Technical Institute)
Certified to ASTM D4935-10 (Frequency Range 30 MHz - 1.5 GHz) (National Aerospace Technical Institute)
Good adhesion



TECHNICAL CHARACTERISTICS

Referencia Color	SMART ANTI RADIACIONES NEGRA
Finish	Matt
Specific weight	1,16± 0,05 kg/l
Viscosity	150 +/- 10 PO
Solids in volume	28± 1
Solids in weight	40± 1
VOC	Cat. a/BA 75/30 (2007/2010): 13,33 g/l
Aproximated performance by coat	3-5 m ² /L
Dry to touch	(20°C HR: 60%): 1 h.
Dry to repaint	(20°C HR: 60%): 4-6 h
Colours	Black

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SURFACE PREPAIRING

French norm DTU 59.1

New surfaces

- Cement mortar:
 - Wait until totally set, at least 30 days.
 - Use an abrasive jet to remove any potential efflorescence from the base and neutralise alkaline surfaces.
 - Sand highly polished surfaces to roughen them slightly.
- Use a suitable fixative to fix crumbly bases (See family 6).
- Remove any other products and/or residue from the base.
- Use plaster to fill any defects in the base (to make a suitable selection, see the PREPARING BASES family for lines of powder plaster and prepared fillers).
- Plaster:
 - Wait until it is fully dry; maximum 20% humidity.
 - Remove any other products and/or residue from the base.
 - Remove any efflorescence.
 - Use a suitable sealant primer to regulate surface absorption.
 - Sand highly polished surfaces to roughen them slightly.
- Use a suitable fixative to fix crumbly or floury bases (See family 6).
- Use plaster to fill any defects in the base (to make a suitable selection, see the PREPARING BASES family for lines of powder plaster and prepared fillers).
- Treat mouldy bases with Montolimp.

Restoring and maintenance

1. Fully remove any old paint that is loose or in poor condition.
2. Glossy surfaces should be sanded lightly to improve adhesion.
3. For painted bases, check the solidity, adhesion and nature of the paint to avoid possible incompatibilities and clear off any dust and dirt before repainting.
4. Use plaster to fill any defects in the base (to make a suitable selection, see the PREPARING BASES family for lines of powder plaster and prepared fillers).
5. Treat mouldy bases with Montolimp.

WAY OF USE

Application notes

- How to use. For optimum shielding the paint should be applied undiluted.
- Shake the product until it is fully blended.
- For "difficult" surfaces, dilute the product according to the porosity and condition of the substrate in the first coat.
- Use the same paint to finish, until the appropriate thickness is reached according to the application.
- Do not apply the product at temperatures below 5° C or above 35° C, or if there is an imminent risk of rain.
- Do not apply in full sun or on days with excessive humidity.
- A correct prescription should be sought from a qualified professional when implementing the paint in systems where the shielding functions alongside other processes.

Solvent for dilution and cleaning

Water

Way of use	Aproximate dilution
Painting brush	5-10%
Roller	5-10%
Air-less gun	10-20%
Air-mix gun	10-20%
Aerographic gun	10-20%
Low pressure turbo	10-20%

SYSTEM

Procedures depending of surface type

Primer

Intermedium

Finish

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Old paintings in bad state

MAX	Eliminar+ Fijamont, Emulsión Fijadora	Pintura de apantallamiento ondas radio	Pintura acabado base agua
STD	Eliminar + Pintura de apantallamiento diluida		Pintura acabado base agua

Old painting in good state

MAX	Pintura de apantallamiento ondas radio		Pintura acabado base agua
STD	Pintura apantallamiento ondas radio		Pintura acabado base agua

Wood

MAX	Selladora Sellalux o Selladora Acqua Blanca		Pintura acabado base agua
STD	Pintura apantallamiento ondas radio diluida		Pintura acabado base agua

Cement

MAX	Fijamont, Emulsión Fijadora	Pintura apantallamiento ondas radio	Pintura acabado base agua
STD	Pintura apantallamiento ondas radio diluida		Pintura acabado base agua

Support weak

MAX	Fijamont, Emulsión Fijadora	Pintura apantallamiento ondas radio	Pintura acabado base agua
STD	Pintura apantallamiento ondas radio diluida		Pintura acabado base agua

SECURITY

Do not eat, neither drink, nor smoke during the application. In case of contact with eyes, wash abundantly with clean water. Keep away from children. Do not throw in darin. Keep product in dry area, under cover and temperature between 5 to 35°C. For further information, please check product safety sheet.

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NOTE

Maximum recommended storage time : 24 months since its fabrication in its original packaging perfectly closed, stored indoors and at temperatures between 5° and 35°C

Information here indicated is based on our actual knowledge, laboratory testing and taking in count the practical use under specific circumstances.As it is impossible to stablish an adequate description for every nature and status of the supports to be painted, we are unable to warrant the absolute reproductibility in each specific use

PACKINGS

0.75 L, 4 L, 15 L



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-Use a suitable fixative to fix crumbly bases (See family 6).

- Remove any other products and/or residue from the base.

- Use plaster to fill any defects in the base (to make a suitable selection, see the PREPARING BASES family for lines of powder

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plaster and prepared fillers).

- Plaster:

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- Remove any efflorescence.

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10-20%

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