

Fecha de Alta

10-07-2014

Versión

1C - 23/08/2024



**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  
Good adhesion  
Solvent-free  
Recommended for areas susceptible to environmental pollution caused by electromagnetic fields  
Zero splash (tixotex 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)



### 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 m²/L                               |
| Dry to touch                    | (20°C HR: 60%): 1h                     |
| Dry to repaint                  | (20°C HR: 60%): 4-6h                   |
| Colours                         | Black                                  |

## 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 Monto Limpia Moho.

### 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 Monto Limpia Moho.

## 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**

|            |   |  |                           |
|------------|---|--|---------------------------|
| <b>MAX</b> | Eliminar+ Fijamont, Emulsión Fijadora         | Pintura de apantallamiento ondas radio | Pintura acabado base agua |
| <b>STD</b> | Eliminar + Pintura de apantallamiento diluida |  | Pintura acabado base agua |

**Asphalt fabric**

|            |  |  |                           |
|------------|--|--|---------------------------|
| <b>MAX</b> | Pintura de apantallamiento ondas radio |  | Pintura acabado base agua |
| <b>STD</b> | Pintura apantallamiento ondas radio    |  | Pintura acabado base agua |

**Wood**

|            |   |  |                           |
|------------|---|--|---------------------------|
| <b>MAX</b> | Selladora Sellalux o Selladora Acqua Blanca |  | Pintura acabado base agua |
| <b>STD</b> | Pintura apantallamiento ondas radio diluida |  | Pintura acabado base agua |

**Cement**

|            |   |                                     |                           |
|------------|---|-------------------------------------|---------------------------|
| <b>MAX</b> | Fijamont, Emulsión Fijadora                 | Pintura apantallamiento ondas radio | Pintura acabado base agua |
| <b>STD</b> | Pintura apantallamiento ondas radio diluida |                                     | Pintura acabado base agua |

**Support weak**

|            |   |                                     |                           |
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**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 establish 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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Finish Matt

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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 m²/L

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| <b>Wood</b>                       |   |  |                           |

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