

WHITE FIRE-RETARDANT WATER-BASED SYSTEM

| Standard | Country | Class | Certificates and validations | Substrate |
|------------------------|---------|---------|--|--------------------------|
| DM 06/03/92 - UNI 9796 | IT | 1 | Validation no. B02476PVI00001 of 07/02/06 | All types of wood* |
| UNI 8457 - UNI 9174 | IT | 1 | Test report no. 11320 of 19/09/2014 | Honeycomb cardboard |
| BS 476 part 7 | UK | 1 | Certificate no. 27/03441/02/15 and 27/03441J/02/15 of 26/02/2015 | Standard 4 and 20 mm MDF |
| BS 476 part 6 | UK | 0 | Certificate no. 27/04697C/07/18 of 05/09/2018 | MDF Class 0 |
| EN 13501/EN 13823 | EU | B-s1-d0 | Test report no. 333603 of 10/05/2016 | Standard 18 mm MDF |
| UNI 8457 - UNI 9174 | IT | 1 | Test report no. 10462 of 28/07/2017 | 13 mm plasterboard |

*For all types of wood except for: materials veneered through thermoplastic glue, assembled in cellular or slat structure including air (e.g. rattan or cane marrow) and filled with heterogeneous materials.

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| Recommended use | Wall, ceiling and furniture |
| Application method | Manual roller, brush and spray gun |
| Product preparation | Dilute up to a maximum of 20% with water |

| Chemical-physical characteristics (23°C) | | General information on the system Drying at 20°C and UR% between 45 and 65: 200 g/m ² | |
|--|-------------|---|------------|
| | Y00511 | | RAF-AP |
| Solid content (%) | 50 | Dust free | 30 minutes |
| Specific weight (g/cm ³) | 1,140 | Touch free | 60 minutes |
| Viscosity (seconds) | DIN 8 = 18 | Overcoating | 6 hours |
| pH | From 7 to 8 | Sandable | 8 hours |

Application system in order to obtain Class 1 of Reaction to Fire in accordance with UNI 9796, UNI 8457, UNI 9174, BS 476 part 7 and Class B-s1,d0 of Reaction to Fire in accordance with EN 13501/EN 13823

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| Wooden substrate preparation | Clean the surface and sand with 120/150 grit sandpaper. Remove the old coating films completely. |
| Cardboard substrate preparation | No measures required. |
| Preparation of the base coat-top coat for the application | Dilute up to a maximum of 20% with water. Please note that the amount of product to be applied must be recalculated based on the dilution. |
| Application method | Manual roller, brush and spray gun |
| Product application | <p>Application to obtain Class 1 - UNI 9796, BS 476 part 7 and 6 Class B-s1,d0 - EN 13501/EN 13823 - UNI 8457/UNI 9174 on plasterboard: Apply two coats of white matt water-based base coat-top coat Y00511, separated by a gap of 6 hours, with a grammage of 200 g/m². Sand lightly with 320 grit sandpaper between coats. Total quantity to be applied: 400 g/m².</p> <p>Application to obtain Class 1 - UNI 8457/UNI 9174 on honeycomb cardboard: Apply three coats of white matt water-based base coat-top coat Y00511 with 6 hours drying time between the coats, with a grammage of 200 g/m². Sand lightly with 320 grit sandpaper between coats. Total quantity to be applied: 600 g/m².</p> |

Maintenance

The use of a wet cloth and mild detergents is recommended to clean and maintain the surfaces, coated by fire-retardant systems, drying the surface well after cleaning. To keep the product certified it is recommended to check periodically the condition of the coating film. If the support must be restored, apply the same validated quantities.

General information

- Mix the product well before the use.
- During the application the temperature of the product, the substrate and the environment should never fall below 15°C.
- Coating films, formed below this temperature, have lower properties of chemical and mechanical resistance than standard performance that can be achieved in normal conditions.
- Coating leftover (washing water, water from spray cabin, used coatings) must be disposed of in accordance with local regulations. Never dispose of leftovers directly in the drainage system.
- Application tools must be cleaned with water immediately after the use. In case dry coating films must be removed, use AY---M460, leaving it work overnight, and then rinse with water.
- After long storage periods, always check for any presence of sediment at the bottom of the can and homogenize the product well before the use.
- It is possible to add thixotropic additive AY---M454 in the percentage from 0,5% up to 1%, when it is necessary to apply more than 200 g/m² of Y00511 on a vertical surface.
- Not cold-resistant: do not store at temperatures below 5°C.
- In particular environmental conditions, the product can develop sensitivity to humidity. Avoid using it in very damp spaces.
- The standards also require the application of fire-retardant products on hidden surfaces if there are air gaps between the object and the wall or floor.