

## Technical Data Sheet

### TE – X PIGMENTED WATERBORNE FIRE-RETARDANT SYSTEM

Supersedes previous issue dated 06-20-13

DATE 15-01-15

TE-X is a code used to encompass the whole fire-retardant coating system, involving 2 or more coats.

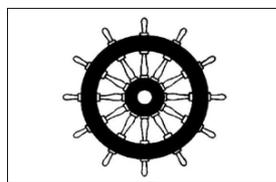
It is indispensable to comply with the instructions provided in this technical data sheet to ensure class 1 fire resistance and therefore validity of homologation.

**Gloss level** 5 gloss

**Areas of use** **(UNI 9796)** -Flat parts, panels. Not to be used on veneers glued with thermoplastic materials, assembled parts with cellular or laminated structure with air cavities (i.e. rattan) or cavities filled with heterogeneous materials.  
**(Naval Directive MED)** - Wood substrates, galvanized sheet, aluminum and plaster, plastic, interior furnishings, furniture, substrates in general, no floor.

**Certifications** **UNI 9796 :**  
TE-G Red Homologation n° BO1159PVI00008 Cl.1 Fire-retardant  
TE-B White Homologation n° BO1159PVI00009 Cl.1 Fire-retardant  
TE-R Yellow Homologation n° BO1159PVI00010 Cl.1 Fire-retardant  
TE-N Black Homologation n° BO1159PVI00011 Cl.1 Fire-retardant

**Certifications** **UNI 9796:**  
TD - Approval N° BO1159PVI100004 Cl. 1 reaction to fire.  
**Naval Directive MED - 96/98/CE:**  
Form B – Certificate nr. IG-072–2012 Rev. 1  
Form D – Certificate nr. MED-134 Rev.1  
– Code USCG n.164. 112/EC0407/SHW



0407/13

**Method of use** Spray

**N.B.:** DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. WE ASSURE CONSISTENCY ON THE CHEMICAL-PHYSICAL CHARACTERISTICS OF OUR PRODUCTS, WITHIN THE TOLERANCE LIMITS SPECIFIED ON OUR TECHNICAL DATA SHEETS. RESPONSIBILITY OF FINAL RESULT OF PRODUCT APPLICATION IS FULLY UP TO THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT CORRESPONDS TO THEIR OWN NEEDS WITH REGARD TO APPLICATION SYSTEM, TO SUBSTRATES USED AS WELL AS TO WORKING CONDITIONS.

**WARNING:** ACTUAL VISCOSITY OF SOME PIGMENTED AND/OR THIXOTROPIC PRODUCTS MAY DIFFER FROM THE VISCOSITY SHOWN ON THE TECHNICAL DATA SHEET. DIFFERENCES ARE TO BE REGARDED AS ACCEPTABLE IF WITHIN 30% MAXIMUM.

### Technical characteristics of AF1105/00 self-sealer

Solids content (%)	47 ± 2
Specific gravity (kg/lt)	1.140 ± 0.030
Viscosity (DIN 8 at 20°C)	25" ± 3"
Pot-life at 20 °C	2 hours

### Description of system to obtain Classe 1 of Fire reaction (UNI 9796):

Basecoat:	AF1105/00 + up to 5% XA2006/XX, with 10% AH0111/00, up to 30% water thinning before use 1 coat of 200 gr/m <sup>2</sup> (approx. 175-200 wet micron).
Sanding:	Manual - at least 12 hours after the coat of basecoat. In any case, sanding of a fire retardant coating must be light so that not to excessively reduce the film thickness with consequent decrease in protection against fire.
Topcoat:	AF1105/00 + up to 5% XA2006/XX, with 10% AH0111/00, up to 30% water thinning before use 1 coat of 200 gr/m <sup>2</sup> (approx. 175-200 wet micron).
Total application weight (basecoat + topcoat):	400 gr/ m <sup>2</sup>

### Thinning

The weights of applications mentioned refer to not thinned product. In case of thinning increase the weight applied in proportion. The thinning, max 30% according to the method of use is to be carried out before use.

### Description of system to obtain Certificazione Navale MED:

Basecoat/topcoat:	AF1105/00 + up to 5% XA2006/XX, with 10% AH0111/00, up to 30% water thinning before use 1 or more coats (approx. 125-150 wet micron)
Total application weight (basecoat + topcoat): Specific gravity (kg/lt)	150 gr/ m <sup>2</sup>

\* If the raw support is metallic, it is necessary sand the area with 120-180 grit paper and degreased with DX1131/00, while for the supports of plastic sand completely with 220 grit paper before application of the system. For the size of substrates available on the market, it is preferable, as a precaution to make a test on a small scale, to verify the suitability of the coating on the identified support.

### General characteristics:

Shelf-life	12 months
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COMPANY WITH  
MANAGEMENT SYSTEM  
- UNI EN ISO 9001 -  
- UNI EN ISO 14001 -

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Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

Company under the direction and coordination of The Sherwin-Williams Company, USA

Before use, the product is to be thoroughly stirred, hardened and thinned according to this Technical Data Sheets. Any sediment due to storage must be homogenised with the rest. In case of different thinning ratios, the quantity of product to be applied shall be calculated considering the thinning ratio used; application of lower quantities of products will jeopardise the fire-retardant properties.

### Warning

**Thinned AF1105/00 may generate a hard sediment in a short time. It is therefore recommended to thin only the product required.**

**In case of oily and tannin wood, such as teak, rosewood, iroko and all of the exotic species, preliminary tests are recommended to ensure the coating performance.**

**Recommended application weight refers to non-thinned product. In case of thinning, the application weight must be increased accordingly.**

- Do not store the product at temperatures lower than 5°C.
- During application, the product, the substrate and the workplace shall have temperatures not below 15°C.
- Coating residues must be disposed of in accordance with current legislation. Do not pour residues down drains.

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