

Technical Data Sheet

TD

WHITE WATERBORNE FIRE-RETARDANT SYSTEM

Supersedes previous issue dated 06.20.13

DATE 08/03/17

TD 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 3 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, covering in general. Not suitable for floor.

As this is a flame retardant product always test if the performance and the final appearance match the standard for the intended end use.

Certifications

UNI 9796:

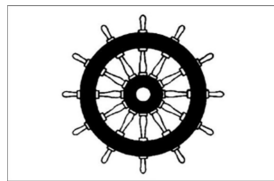
TD - Approval N° BO1159PVI100004 Cl. 1 reaction to fire.

Naval Directive MED - 96/98/CE:

Form B – Certificate nr. IG-070–2012 Rev. 0

Form D – Certificate nr. MED-134 Rev.1

– Code USCG n.164. 112/EC0407/SHW



Method of use

(UNI 9796)- Conventional, airmix or airless spray gun (provided that the devices are suitable for application of waterborne products)

(Direttiva navale MED)- Conventional, airmix or airless spray gun (provided that the devices are suitable for application of waterborne products) brush, roller

Technical characteristics of AF0022/13 self-sealer

Solids content (%)	56 ± 2
Specific gravity (kg/lt)	1.260 ± 0.030
Viscosity (DIN 8 at 20°C)	20" ± 5"

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.

Thinning

The weights of applications mentioned refer to not thinned product. In case of thinning increase the weight applied in proportion. The thinning, max 20% according to the method of use is to be carried out before use.

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

Basecoat:	AF0022/13 (up to 20% thinned with water before use) - 1 coat of 200 gr/m ²
Sanding:	Manual - at least 4 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 of protection against fire.
Topcoat:	AF0022/13 (up to 20% thinned with water before use) - 1 coat of 200 gr/m ²
Total application weight (basecoat + topcoat):	400 gr/ m ²

Description of system to obtain Certificazione Navale MED

Basecoat/topcoat:	AF0022/13 (up to 20% thinned with water before use) – 1 or more coat (approx. 180-210 wet micron)
Total application weight (basecoat + topcoat):	210 gr/ m ²

* If the raw support is metallic, it is necessary sand the area with 120-180 grit paper and degraded 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	15 months
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Before use, the product is to be thoroughly stirred and thinned with tap water at 20% by weight or 25% by volume. Any sediment due to storage must be homogenised with the rest. Higher thinning ratios are possible up to a 30% max. In these cases, the quantity of product to be applied is to be calculated considering the thinning ratio used; application of lower quantities of products will jeopardise the fire-retardant properties.

By adding 3% of XA2006/XX pigmented pastes, it is possible to obtain very full colours ensuring a good hiding power.

COMPANY WITH
MANAGEMENT SYSTEM
- UNI EN ISO 9001 -
- UNI EN ISO 14001 -

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

Warning

Thinned AF0022/13 may generate a hard sediment in a short time.

It is therefore recommended to thin only the product required.

Warning

- 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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