

Technical Data Sheet

TB - 1

WHITE PU FIRE-RETARDANT SYSTEM

Supersedes previous issue dated 05.06.13

DATE 05/31/17

TB is a code used to encompass the whole fire-retardant coatings system composed of two coats of basecoat (TU0022/13) and one coat of topcoat (TZ2225/13 or TZ2275/13).

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.

Areas of use

Flat panels (doors), assembled furniture, turned parts. Not to be used on veneers glued with thermoplastic resins, assembled parts with cellular or laminated structure with air cavities (i.e. rattan) or cavities filled with heterogeneous materials.

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 - Approval n° BO1159PVI1000013 Cl. 1 reaction to fire.

Description of fire retardant coatings system: (see each component for hardening ratio):

- Basecoat: TU0022/13 (hardener TH0333/00) - 2 coats @ 140 g/m² each (280 g/m² in total)
- Interval between coats: 2 hours
- Sanding: manual - at least 24 hours after the second 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: TZ22**/13 (hardener TH0333/00) - 1 coat @ 110 g/m²
- Total application weight (basecoat + topcoat): 390 g/m²

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.

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

Sherwin-Williams Italy S.r.l. – con unico socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
tel. +39 051 770 511 - fax +39 051 777 437
www.sayerlack.com
Cod. Fisc. e Reg. Impr. Bo 08866930152
P. IVA: IT 00494251200 - R.E.A. n. 313180
Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

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

Technical characteristics of the basecoat TU0022/13:

Method of use:	spray	
Mixing procedure:	by weight	
Part A	TU0022/13	100
Part B (hardener)	TH0333/00	50
Solids content (%):	76 ± 2	
Specific gravity (kg/lt):	1.220 ± 0.030	
Viscosity (DIN 4 at 20°C):	Part A:	140" ± 10"
	A + B:	18" ± 2"
Drying time:	dust free:	5'
	touch dry:	80'
	stackable:	24 hours
Pot life:	1 hour	
Shelf-life:	If the product is properly stored, shelf-life is unlimited. After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.	

Technical characteristics of the topcoat TZ22**/13:

Versions	25 and 75 gloss	
Method of use:	spray	
Mixing procedure:	by weight	
Part A	TZ22**/13	100
Part B (hardener)	TH0333/00	50
Solids content (%):	25 gloss	59 ± 2
	75 gloss	64 ± 2
Specific gravity (kg/lt):	1.150 ± 0.030	
Viscosity (DIN 4 at 20°C):	Part A:	160" ± 10"
	A + B:	20" ± 2"
Drying time:	dust free:	15'
	touch dry:	90'
	stackable:	24 hours
Pot-life:	3 hours	
Shelf-life:	If the product is properly stored, shelf-life is unlimited. After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.	

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General characteristics of the system:

TU0022/13 ensures excellent hiding power, good pore wettability and good flow.

TZ22**/13 is a very versatile matt topcoat characterised by a good scratch resistance.

The full system solves the typical problems of fire retardant coatings: drying time and application features are similar to conventional PU systems.

Warning

Before use, both basecoat and topcoat are to be carefully stirred down to the bottom of the can by means of a long spatula or a stick.

Any sediment due to storage must be homogenised with the rest, otherwise aesthetical characteristics and fire resistance properties will be affected.

Keep products from heat.

Avoid storage at temperatures above 50°C.

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