

Technical Data Sheet

TL0099/XX SOLVENT BASED CONVERTER FOR TINTOMETRIC SYSTEMS

Supersedes previous issue dated 05.11.2020

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Colours:	BB - white; NN - neutral
Area of use:	Flat parts, furniture, profiles
Method of use:	Conventional and airless spray guns, curtain coater
Mixing procedure:	By weight (kg)
	TL0099/BB or TL0099/NN 100
	TH0735/00 70
	DT0424/00 30

Technical characteristics:

Solids content (%):	TL0099/NN	60 ± 2
	TL0099/BB	73 ± 2
Specific gravity* (kg/l):	TL0099/NN	1.012 ± 0.030
	TL0099/BB	1.320 ± 0.050
Viscosity (DIN 8 at 20°C):	TL0099/NN	20" ± 2"
	TL0099/BB	49" ± 5"

* TL0099/BB has been specifically formulated for tintometric systems, then the specific gravity may slightly change for different batches. For more precision and convenience to final user each production batch has the measured value of specific gravity on the label.

Substrate preparation

Preferably with polyester pigmented basecoats that are less affected by lifting than polyurethane basecoats.

General characteristics TL0099/BB

Pot-life (at 20°C.):	4 hours
Recommended application weight (g/m ²):	Min. 80 - max. 200
Drying time (100 g/m ² at 20°C):	Dust free: 15'-20'
	Touch dry: 60'-90'
	Stackable: 24 hours
Shelf-life (months):	36
	After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.

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

TL0099/BB and /NN have been specifically formulated for tintometric systems.

TL0099/NN base cannot be applied as it is, but is to be tinted with solvent-based pastes TP2009/XX. It is important to remember that the addition of organic pigmented pastes implies longer drying times, lower hardness as well as lower hiding power than inorganic pigmented pastes.

General characteristics TL0099/NN

Pot-life (at 20°C.):	4 hours
Recommended application weight (g/m ²):	Min. 80 - max. 200
Drying time (100 g/m ² at 20°C):	Dust free: 40' Touch dry: 2-6 hours Stackable: 24-36 hours
Shelf-life (months):	36 After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.

The drying time depends on percentage and kind of pasta added to TL0099/NN.

As an alternative hardener to TH0735/00, it is possible to use TH0724/00 at 100% by weight in order to speed up drying. However, this will reduce the product hiding power. In addition, a different floating of the pigments might result in a color change, compared with hardener TH0735/00.

Special instructions

TL0099/BB and /NN topcoats can be mixed with TP2009/XX pastes in a volumetric mixing ratio of 80/20 cc for intense shades starting from neutral up to a maximum of 5% in volume for pastel shades starting from pigmented white, as it is stated in the WOOD COLOR PLUS formulary.

This product can only be applied by curtain coater after verification by the final customer that the applicative conditions guarantee the desired result.

PROBLEM OF COLOUR ALTERATION DUE TO SUNLIGHT

In general white is liable to yellow slightly over time even if specific hardeners are used. Since equipment exists for determining to a fair degree of accuracy how long it will take for the colour of coatings to change and the extent of the change, before starting work, users should have the light fastness of pigmented topcoats evaluated to determine whether they are suitable for their requirements. Sayerlack's laboratories are able to perform this test with the utmost objectivity, although the ideal solution is for the user to contact an independent testing laboratory.

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