

## Technical Data Sheet

### TP2009/XX UNIVERSAL SOLVENT-BASED PASTES – AROMATICS FREE

Supersedes previous issue dated 13 December 2016

DATE 28 April 2020

Colours available:	BB – White	06 – Blue	08 – Oxide Red
	09 – Orange	17 – Lemon Yellow	21 – Golden Yellow
	26 – Bright Red	42 – Green	52 – Oxide Yellow
	53 – Magenta	61 – Violet	72 – Black
Area of use:	To be used for pigmenting nitrocellulose and polyurethane coatings through volumetric dosage color-matching system .		

#### Chemical-physical characteristics

Solids content (%):	51 - 86 depending on the colours.
Shelf-life:	After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.
Shelf-life (months):	24 in the original package

#### General characteristics

TP2009/XX series consists of mono-pigment concentrated pastes that are compatible with solvent-based products, and show high spreading rate and sedimentation resistance. All TP2009/XX pastes are aromatics free and do not contain any lead or any other heavy metals. TP2009/XX shall be used to pigment solvent-based basecoats and topcoats, either polyurethane or nitrocellulose.

TP2009/XX pastes can be added to white or clear basecoats up to 3%. Bigger quantities remarkably slow down drying times and worsen sanding.

TP2009/XX main use, however, still remains the preparation of bespoke pigmented topcoats. In this case they must be added to specific converters such as: TZ99\*\*/BB and TZ99\*\*/NN (matt polyurethane), TL0099/BB and TL0099/NN (glossy polyurethane), and SZ99\*\*/BB and SZ99\*\*/NN (nitrocellulose).

#### Problem of colour alteration with light

Even when non-yellowing hardeners are used, the lighter shades are liable to undergo colour change over time.

Equipment exists for determining to a good degree of accuracy how long it will take for the colour of coatings to change and the extent of the change.

End users should have the light fastness of these pigmented topcoats evaluated to determine whether or not they are suitable for their requirements.

Sayerlack laboratories can carry out this assessment with the utmost objectivity, although it would be even better for the user to contact an independent testing laboratory.

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

**TABLE 1**

<i>Color</i>	<i>Solids Content (%) ± 2</i>	<i>Specific Gravity (kg/l) ± 0,030</i>
BB – WHITE	86	2.120
06 – BLUE	71	1.100
08 – OXIDE RED	80	1.730
09 – ORANGE	60	1.050
17 – LEMON YELLOW	80	1.740
21 – GOLDEN YELLOW	75	1.640
26 – BRIGHT RED	61	1.120
42 – GREEN	66	1.150
52 – OXIDE YELLOW	76	1.620
53 – MAGENTA	51	1.040
61 – VIOLET	62	1.046
72 – BLACK	69	1.100

**TABLE 2**

<i>Color</i>	<i>Chemical nature</i>	<i>Hiding power</i>	<i>Light fastness</i>	
			Alone	Blended with White
BB – WHITE	Inorganic	Excellent	Excellent	-----
06 – BLUE	Organic	Poor	Excellent	Excellent
08 – OXIDE RED	Inorganic	Excellent	Excellent	Excellent
09 – ORANGE	Organic	Good	Excellent	Excellent
17 – LEMON YELLOW	Inorganic	Good	Excellent	Excellent
21 – GOLDEN YELLOW	Inorganic	Good	Excellent	Excellent
26 – BRIGHT RED	Organic	Good	Excellent	Excellent
42 – GREEN	Organic	Good	Excellent	Excellent
52 – OXIDE YELLOW	Inorganic	Excellent	Excellent	Excellent
53 – MAGENTA	Organic	Poor	Excellent	Excellent
61 – VIOLET	Organic	Excellent	Excellent	Excellent
72 – BLACK	Organic	Excellent	Excellent	Excellent

**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.

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### Special instructions

When using TP2009/XX pastes, we always recommend:

1. Use of perfectly mixed bases stored in well closed cans;
2. Accurate mix of the product with a mechanical stirrer up to a complete homogenization of the color if you are not using a Corob machine;
3. Application tests to check whether the desired color has been achieved or if you need to make any adjustments. Even a small mistake made while weighing the bases can prevent achieving the desired tint.

After long periods of storage always check homogeneity and in case of sediment stir well before use.

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