

Technical Data Sheet

PU0377/XX FAST DRYING POLYESTER BASECOAT

Supersedes previous issue dated 02/27/08

DATE 03/11/13

Colours:	N0 - Neutral 13 - White		
Area of use:	Flat parts, turned parts, fitted furniture		
Method of use:	Conventional and airless spray guns (two-component spray guns should be used)		
Mixing procedure:		by weight (kg)	by volume (l)
Part A :	PU0377/XX	100	100
Part B (accelerator) :	PH0888/00	2	3
Part C (catalyst) :	PH0999/00	2	3
Thinner :	DX1131/00	20	30

Technical characteristics

Solids content (%):	94 ± 2	
Specific gravity (kg/l):	neutral: 1.375 ± 0.030 white: 1.500 ± 0.030	
Viscosity (DIN 8 at 20°C):	22" ± 2"	
Resistivity (Mohm/cm):	50-200	
Pot-life at 20°C:	35'	
Recommended application weight (g/m²):	Max. 250 per coat	
Interval between coats:	Min. 45' - Max. 60'	
Number of coats:	Max. 2	
Drying time (350 g/m² at 20°C):	Dust free	25'
	Touch dry	90'
	Stackable	4 hours
Forced air drying (350 g/m²)	Flash off	15'
	Hot air at 50°C	30'
	Cooling	15'
Sanding:	Wait at least 12 hours	
Overcoating:	Wait at least 12 hours	
Shelf-life (months):	6	

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.

Substrate preparation

Sand and clean thoroughly.

General characteristics

PU0377/XX is a polyester basecoat that exhibits excellent manual sandability, flow, good thixotropy for MDF and porous timbers, and excellent vertical application.

With its excellent sanding characteristics, PU0377/XX is particularly suitable for overcoating with matt topcoats. To ensure a good gloss finish, apply two passes of topcoat 1-4 hours apart.

To lengthen pot-life to about 4 hours, the following mixing procedure may be used:

PH0222/00 2%

PH0333/00 2%

Bear in mind that drying times will be increased considerably and that you will have to wait at least 16 hours before sanding and overcoating.

The neutral version cannot be used for clear coating of stained or natural wood, but only in pigmented topcoat systems. In this case it must be pigmented with XP3100/XX series polyester pastes at a maximum concentration of 4%.

Warning: accelerators and catalysts

If PH0888/00 and PH0999/00 or PH0222/00 and PH0333/00 come into direct contact they can cause a violent chemical reaction which can constitute a hazard for the operator. For this reason, first mix the PH0888/00 or PH0222/00 thoroughly with the PU0377/XX and only then mix with the PH0999/00 or PH0333/00.

Polyester must be used at a temperature no lower than 20°C.

Special instructions: MDF

In view of the considerable differences in structure and binders used in MDF currently on the market and of the need to perform subsequent work (machining, turning etc.), we always recommend checking substrate stability before coating.

It is equally important to avoid significant accumulation of product in grooves and channelling, since the solvent could remain trapped in the film and cause cracking.

N.B.

If greater conductivity is required, XT4035/00 may be added to the product in a percentage of 0.5-1% max.