

POLYSTRIA HES

Polyester/Polyurethane.

DEFINITION

Topcoat, two components, based on acrylic resin reticulated by an aliphatic isocyanate.

INTENDED USES

Exposure(s) :

PRINCIPAL CHARACTERISTICS

Fast curing.

Over 1500 colour tints possible with our "Industry" tinting machine system.

CERTIFICATIONS / APPROVALS

ACQPA




COMPATIBILITY

PREVIOUS COAT(S)*	SUBSEQUENT(S) COAT(S)*
Itself EPODUX PRIMER 61-134 v01 PRIMODUX H PRESTOPRIM A/C MONOCOUCHE SR 75 FERROCOTE EPODUX ST 86-31 EPODUX IM 209 EPODUX ST 71 PRIMODUX EV...	Itself PRESTOTHANE ou POLYSTRIA v01.

*For any product not mentioned in compatibility lists, contact our technical support.

TECHNICAL DATA

NUMBER OF COMPONENTS	2
GLOSS LEVEL	Glossy or satin
COLOURS	According to colour models RAL / AFNOR / 1000 Teintes, autres nous consulter.
MIXING RATIO	weight : 91,4/8,6 volume : 90/10
SPECIFIC GRAVITY	1,42 +/- 0,05 g/cm ³
SOLIDS CONTENT	weight : 80 +/- 2% volume : 70,0 +/- 3%
TYPICAL THICKNESS (DRY)	40 µm
RECOMMENDED WET FILM THICKNESS	60 µm
THEORETICAL SPREADING RATE	17,50 m ² /l for 40 µm DFT
VOC (Directive 2004/42/EC)	Cat. A/j : 500 g/L (2010) 450 g/L VOC
VOC IN INDOOR AIR	 <small>* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).</small>
PACKAGING	15 L - 4 L

Specific gravity, solid content by volume and by weight are given for mix A+B, without thinner and on the white base for all topcoat. Liquid characteristics of products are given at 20°C.

DRYING TIME - OVERCOATING INTERVAL

FILM THICKNESS 0 µm dry	POT LIFE	DRYING TIME		OVERCOATING INTERVAL	
		Touch dry	Hard dry	Minimum	Maximum
10°C	4h	5 hours	16 hours	24 hours	12 months
20°C	2h	3 hours 30	8 hours	12 hours	12 months
30°C	1h30	2 hours	6 hours	8 hours	12 months

Introduce thinner may affect pot life. Dilution, relative humidity and aeration could affect drying time.

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INSTRUCTIONS

All surfaces must be clean, dry and contamination-free before painting.

SURFACE PREPARATION

SUBSTRATE(S) :	RECOMMENDED
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APPLICATION CONDITIONS

MIXING	The product is supplied in pre-measured kit form. Pour the hardener part into the base tub and mix, taking care not to incorporate air. The mixing temperature should be at least 12°C. If not, it is necessary to add thinner to get the application viscosity. N.B. excess thinner increases the risk of sagging.		
INDUCTION TIME	None		
WEATHER CONDITIONS	Room temperature Relative humidity	: :	The temperature should be between 5°C and 30°C 80% maximum
TEMPERATURE	Of substrate Of product	: :	Between and +5°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation.
TECHNICAL NOTE	Do not leave paint in spray equipment for longer than the pot life. Rinse equipment with 61-161 v01 thinner then clean it carefully with cleaning solvent. Prepared mix that is not used should not be sealed hermetically. For an extended stop, it is better to prepare a new kit.		

Early exposure to condensation or rain could provide a change of gloss and/or shade.

APPLICATION

APPLICATION EQUIPMENT	DILUTION*	NOZZLE	PRESSURE AT NOZZLE	MINIMUM PUMP RATIO	PAINT PRESSURE	REMARKS
AIRLESS SPRAY	0 à 10 %	0.011-0.015 (inches)	150-200 bars	-	-	Mini pump ratio : 30/1
AIR SPRAY CONVENTIONAL	10 à 15 %	depends on the equipment used.	3-5 bars	-	-	-
AIRMIX	5 à 10 %	0.011-0.015	50-70 bars	-	-	-
BRUSH	0 à 5 %	-	-	-	-	-
ROLLER	0 à 5 %	-	-	-	-	-
THINNER	-		CLEANING SOLVENT	-	-	-

* Dilution rate % are indicative and should be adapted to atmospheric conditions and site specific conditions. Excess of thinner could involve sagging effect and lost of opacity.

HEALTH AND SAFETY

Flash point	:	BASE between 23°C and 55°C HARDENER above 100°C
Shelf life	:	DLUO : 2 years minimum in original full, sealed packaging . Store in a cool, ventilated place.
Precautions	:	Refer to the current material safety data sheet(SDS).
Transport and labelling	:	Refer to SDS according to European directives.
Waste Managment	:	Soiled Industrial wastes. For more information, please refer to SDS.