

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

*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>ÉMISSIONS DANS L'AIR INTÉRIEUR* 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 : The temperature should be between 5°C and 30°C Relative humidity : 80% maximum
TEMPERATURE	Of substrate : 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. Of product :
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	-	-	-
AIR MIX	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 Management	: Soiled Industrial wastes. For more information, please refer to SDS.