

POLYSTRIA HES

Polyester/Polyurethane.



DEFINITION

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

INTENDED USES

As topcoat applied on metallic structures such as :

- Bridges, storage tanks, containers, silos,
- Equipment and structures used in chemical, nuclear industries,
- Machines and specialised equipments, etc.

PRINCIPAL CHARACTERISTICS

Fast curing.

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

CERTIFICATIONS / APPROVALS

ACQPA : Brand ACQPA 37621

Is used in the following systems:

C4ANV1518, C3ANV1519, C4ANV1532, C3 ANV1533, C3ANV1534,
C4ANV1536, C4AMV1518, C3AMV1519, C4AMV1532, C3AMV1533,
C3AMV1535, C4AMV1537, C3ANV1529, C4ANV1528, C3ANV1531,
C4ANV1530, C4VHZNV1632, C5HZNV1632, C5VHZNV1632.

TECHNICAL DATA

Gloss level	: Glossy or satin
Colours	: According to colour models RAL / AFNOR / 1000 Teintes, autres nous consulter.
Number of components	: 2
Mix ratio, by weight	: 91,4/8,6
Mix ratio, by volume	: 90/10
Specific gravity	: 1,42 +/- 0,05 g/cm ³
Solids volume	: 70,0 +/- 3%
Solids weight	: 80 +/- 2%
Typical thickness (dry)	: 40 µm
Typical thickness (wet)	: 60 µm
Theoretical spreading rate	: 17,50 m ² /l for 40 µm DFT



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INSTRUCTIONS

SURFACE PREPARATION

The surface must be clean, dry and treated with a compatible anti-corrosive system. See the section pertaining to compatibilities or consult our technical department.

APPLICATION

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

Working pot life :

Temperature	Time
10°C	4h
20°C	2h
30°C	1h30

Substrate temperature : Between +5°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation.

Weather conditions : The temperature should be between 5°C and 30°C
The relative humidity should be between 0% and 80%

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.

AIRLESS SPRAY

Thinner : 61-161 v01
Dilution : 0 à 10 %
Nozzle : 0.011-0.015
Pressure at nozzle : 150-200 bars
Mini pump ratio : 30/1

AIR SPRAY

Thinner : 61-161 v01
Dilution : 10 à 15 %
Nozzle : depends on the equipment used.
Pressure at nozzle : 3-5 bars

BRUSH

Thinner : 61-161 v01
Dilution : 0 à 5 %

ROLLER

Thinner : 61-161 v01
Dilution : 0 à 5 %

CLEANING SOLVENT : 61-161 v01



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CURING TIME

Temperature	Drying time		Overcoating interval	
	Touch dry	Hard dry	Minimum	Maximum
10°C	5 hours	16 hours	24 hours	12 months
20°C	3 hours 30	8 hours	12 hours	12 months
30°C	2 hours	6 hours	8 hours	12 months

COMPATIBILITY

Previous 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...

Subsequent coat(s) Itself, PRESTOTHANE ou POLYSTRIA v01.

REGULATORY SPECIFICATIONS

AFNOR RATING

VOC (Directive 2004/42/EC) EU limit value for this product (cat. A/j) : 500 g/l (2010)
This product contains max 450 g/l VOC

HEALTH AND SAFETY

Flash point BASE : between 23°C and 55°C
HARDENER : above 100°C

Transport and labelling Se rapprocher de la fiche de données de sécurité établie selon les Directives Européennes en vigueur

Shelf life 2 years in original full, sealed packaging. Store in a cool, ventilated place.

Precautions Refer to the current material safety data sheet

PACKAGING

KIT	BASE	DURCISSEUR
15 l	13,5 l	1,5 l
4 l	3,6 l	0,4 l