

### Intended use

Mipa WBC-Hardener is a UV-resistant isocyanate hardener for Mipa WBC paints. The cross-linking of the hardener increases significantly the mechanical and chemical resistance of Mipa WBC paints. Thus, there is no need to overcoat these paints with a clearcoat when applying them in the interior. In doing so, please consider that only satin mat gloss levels can be realized.

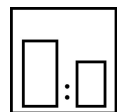
Spreading rate: --

### General informations



#### Colour

colorless



#### Mixing ratio

##### Hardener

Mipa WBC-Hardener

##### by weight (lacquer : hardener)

20 : 1 (5% by weight)

##### by volume (lacquer : hardener)

20 : 1 (5% by weight)



#### Hardener

##### for complete paintwork

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##### for partial paintwork

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#### Pot life

2 - 3 h



#### Thinner

10 - 20 % Mipa WBC-Thinner



#### Spray viscosity

##### gravity spray gun

22 - 25 s 4 mm DIN

##### Airmix/Airless

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#### Application mode

##### Application mode

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##### Hardener

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##### pressure (bar)

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##### nozzle (mm)

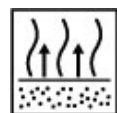
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##### spray passes

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##### Thinner

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#### Flash-off time

5 - 8 min. between coats.

10 - 15 min. before oven drying.

#### Dry coat thickness

0,6 - 0,8 mil (15 - 20 µm)



**Drying time**

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
70 °F (20 °C)	5 - 10 min.	2 h	12 h	--	--
140 °F (60 °C)	--	30 min.	after cooling	--	--

**Note**

**Storage:** In tightly closed original containers at least 2 years shelf life.  
Storage temperature range 50 - 86°F (10 - 30 °C)  
Protect package from direct sunlight and heat.

**VOC Information:** VOC as packaged:  
less exempt solvents 237 g/l / 2.0 lb/gl  
with exempt solvents 237 g/l / 2.0 lb/gl

**VOC Regulation:**

RTS Combinations	WBC paint : WBC Hardener	WBC paint : WBC Hardener
Mixing ratio by volume	20 : 1 + 10 % WBC Thinner	20 : 1 + 20 % WBC Thinner
Actual VOC (g/L)	65	59
Regulatory VOC (g/L)	249	249
Volatiles wt. %	76,2	78,2
Water wt. %	70,1	72,6
Exempt wt. %	-	-
Density (g/L)	1065	1,059
RTS Combinations	WBC paint : WBC Hardener	WBC paint : WBC Hardener
Mixing ratio by volume	20 : 1 + 10 % WBS Accelerator	20 : 1 + 20 % WBS Accelerator
Actual VOC (g/L)	158	226
Regulatory VOC (g/L)	352	421
Volatiles wt. %	76,2	78,2
Water wt. %	61	55,9
Exempt wt. %	5	9,3
Density (g/L)	1039	1014

Always check local VOC laws to ensure that the use of Mipa products is compliant in your area.

**Processing conditions:** from 50 °F (10 °C) and up to 80 % relative air humidity.  
Ensure an adequate supply and exhaust air ventilation.

**General informations:**

Attention: Add the thinner only after having mixed thoroughly the hardener with the paint! Mipa WBC-Hardener is moisture-sensitive. Therefore, close the can immediately and tightly after every material withdrawal. The drying times are reduced when the air speed increases and the relative air humidity decreases. When drying with air guns the drying periods are reduced considerably.

Optimal processing conditions:  
air temperature: 70 - 75 °F (20 - 24 °C)  
object temperature: > 59 °F (15 °C)  
relative humidity of air: 40 - 60 %  
air velocity: 0,25 - 0,3 m/s

**Safety aspect:**

For professional use only. Not for sale to or use by the general public. Before opening the packages be sure you understand the warning Messages on the Labels and Safety Data Sheets of all components since the mixture will have the hazards of all of its parts. The manufacturer recommends the use of an air supplied Respirator when exposed to vapors or spray mist.

**Medical Response:**

Emergency Medical or Spill Control Information 011 49(0)700 24112112 (MIP)  
US Emergency Phone Number (for transportation incidents only) 1-800-535-5053  
(Infotrac)

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