## Mipa WBC-Hardener

Technical data sheet

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#### 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

	<b>Colour</b> colorless					
	<b>Mixing ratio</b> Hardener Mipa WBC-Hardener		<b>y weight (lacquer</b> 0 : 1 (5% by weigh		<b>by volume (lace</b> 0 : 1 (5% by we	<b>quer : hardener)</b> eight)
Ø	Hardener for complete paintwor 	rk	foi 	r partial paintw	ork	
	<b>Pot life</b> 2 - 3 h					
×	<b>Thinner</b> 10 - 20 % Mipa WBC-TI	hinner				
S	<b>Spray viscosity</b> gravity spray gun 22 - 25 s 4 mm DIN		Ai 	rmix/Airless		
	Application mode Application mode	Hardener	pressure (bar) 	nozzle (mm) –	spray passes 	Thinner 
$\frac{1}{1}$	Flash-off time 5 - 8 min. between coat 10 - 15 min. before ove					

#### Dry coat thickness

0,6 - 0,8 mil (15 - 20 µm)

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products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete
the information content at any time, without prior notice or obligation to update.

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$\bigcirc$	Drying time object temperature	•	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		
Vote						
Storage:		In tightly closed origi Storage temperature Protect package fron	range 50 - 8	6°F (10 - 30 °C)	rs shelf life.	
OC Inform	nation:	VOC as packaged: less exempt solvents with exempt solvent	-	-		
OC Inform	nation:	less exempt solvents with exempt solvent	s 237 g/l / 2.0	D lb/gl	WRC p	
OC Inform	nation:	VOC Regulation:	s 237 g/l / 2.0	) lb/gl		aint : WBC Hardener
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume	s 237 g/l / 2.0	) Ib/gl : WBC Hardener % WBC Thinner		- 20 % WBC Thinner
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L)	s 237 g/l / 2.0	) Ib/gl : WBC Hardener % WBC Thinner 65		20 % WBC Thinner 59
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L)	s 237 g/l / 2.0	) Ib/gl : WBC Hardener % WBC Thinner 65 249		- 20 % WBC Thinner 59 249
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. %	s 237 g/l / 2.0	) Ib/gl : WBC Hardener % WBC Thinner 65 249 76,2		- 20 % WBC Thinner 59 249 78,2
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L)	s 237 g/l / 2.0	) Ib/gl : WBC Hardener % WBC Thinner 65 249		- 20 % WBC Thinner 59 249
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. % Water wt. %	s 237 g/l / 2.0	0 lb/gl : WBC Hardener % WBC Thinner 65 249 76,2 70,1		- 20 % WBC Thinner 59 249 78,2 72,6
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. %	WBC paint 20 : 1 + 10	2) lb/gl 2: WBC Hardener 9% WBC Thinner 65 249 76,2 70,1 - 1065	20 : 1 +	- 20 % WBC Thinner 59 249 78,2 72,6 - 1,059
OC Inform	nation:	VOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. % Water wt. % Exempt wt. % Density (g/L)	S 237 g/l / 2.0	0 lb/gl : WBC Hardener % WBC Thinner 65 249 76,2 70,1 -	20 : 1 +	- 20 % WBC Thinner 59 249 78,2 72,6 -
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OC Inform	nation:	less exempt solvents with exempt solvents <b>VOC Regulation:</b> RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. % Water wt. % Density (g/L) RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. %	S 237 g/l / 2.0	2) Ib/gl :: WBC Hardener % WBC Thinner 65 249 76,2 70,1 - 1065 :: WBC Hardener % WBS Accellerator 158 352 76,2 76,2	20 : 1 +	- 20 % WBC Thinner 59 249 78,2 72,6 - 1,059 aint : WBC Hardener 20 % WBS Accellerator 226 421 78,2
OC Inform	nation:	less exempt solvents with exempt solvents WOC Regulation: RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. % Water wt. % Density (g/L) RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. %	S 237 g/l / 2.0	2) lb/gl 2: WBC Hardener 65 249 76,2 70,1 - 1065 2: WBC Hardener 6 WBS Accellerator 158 352 76,2 61	20 : 1 +	- 20 % WBC Thinner 59 249 78,2 72,6 - 1,059 aint : WBC Hardener 20 % WBS Accellerator 226 421 78,2 55,9
OC Inform	nation:	less exempt solvents with exempt solvents <b>VOC Regulation:</b> RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. % Water wt. % Density (g/L) RTS Combinations Mixing ratio by volume Actual VOC (g/L) Regulatory VOC (g/L) Volatiles wt. %	S 237 g/l / 2.0	2) Ib/gl :: WBC Hardener % WBC Thinner 65 249 76,2 70,1 - 1065 :: WBC Hardener % WBS Accellerator 158 352 76,2 76,2	20 : 1 +	- 20 % WBC Thinner 59 249 78,2 72,6 - 1,059 aint : WBC Hardener 20 % WBS Accellerator 226 421 78,2

Ensure an adequate supply and exhaust air ventilation.

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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)
	Exclusive Importer: Fleetwood Products 3 American Way, Suite 15, Spotswood, NJ 08884 www.mipa-usa.com fleetwood@mipa-usa.com. 732-416-9590 Phone, 732-416-9592 Fax.

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