

# Hardeners

## HAMR Hardeners

### Product Description

Differ from ranges of temperatures and solid contents.

9688, 9788, 9888 are 2:1 universal hardeners for 9905, 5450 Clear Coat and 2K Direct Gloss

### For 2K Topcoats & Clears:

	5°C –15°C	15°C – 25°C	>25°C
2:1 2K Topcoats & MS Clears	9688 Hardener	9788 Hardener	9888 Hardener
4:1 Clear Coat	TBA Hardener	5451 Hardener	TBA Hardener
2:1 9900 Clear	9901 Hardener	9902 Hardener	9903 Hardener
2:1 9905 Clear	9688 Hardener	9788 Hardener	9888 Hardener

### Note

### For 2K Primers:

1090 hardener for 1099HS 2K Primer.

4092 hardener for 4082 Epoxy Primer.





### Technical Characteristics

Colour: transparent, yellow(4092)

Shelf life: 12 months at 25°C

### Pre-treatment

As specified in the TDS of the products in which Hardeners are being used.

 <b>Mixing Ratio</b>	Mix the 2K products with hardener and thinner as specified in the TDS. Stir well before use.					
	<b>1099HS</b>	100 (vol)	100 g	<b>2288</b>	100 (vol)	100 g
	<b>1090</b>	25 (vol)	19 g	<b>9x88</b>	25 (vol)	19 g
	<b>950</b>	20-10 (vol)	8-18 g	<b>950</b>	40-50 (vol)	38-48 g
 <b>Potlife</b>	<b>4082</b>	100 (vol)	100 g	<b>2K Solids</b>	100 (vol)	100 g
	<b>4092</b>	25 (vol)	23 g	<b>9788</b>	50 (vol)	48 g
	<b>411</b>	25 (vol)	22g	<b>950</b>	20-30(vol)	
 <b>Application</b>	Please refer to the TDS of Clear Coats to get the corresponding mixing ratio. Mix well and strain before application.					
	As specified in the TDS of the products in which Hardeners are being used.					
 <b>Drying</b>	As specified in the TDS of the products in which Hardeners are being used.					
	Refinished panels can be recoated or mounted after drying and – if required – cooling.					
<b>Further Treatment</b>						

The products are suitable for professional use only. The data contained in this publication are based on our current knowledge and experience. You can obtain the latest version of technical data sheet directly from your supplier.