

GENERAL INFORMATION

8-86710 Allround Surfacers White can be used for small to large repair work over multiple automotive substrates. It can be applied directly on e-Coat primed parts and does not require an additional guide coat due to its glossy appearance after drying.

This TDS is about the Non-Sanding version.

MIXING RATIO



3 : 1 Surfacers : MS Hardener + max 10% Uni Thinner
 7 : 2 Surfacers : HS Hardener + max 10% Uni Thinner
 6 : 1 Surfacers : HS420 Hardener + max 25% Uni Thinner

GUN SETUP



	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,4	2/29
HE	1,3-1,4	1,8-2,0/26-29

APPLICATION



1 coat 25 - 40 µm

FLASH OFF AND DRY TIMES



AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	15 minutes	Flash off	-
Dust free	-	Dust free	-
Dry to handle	-	Dry to handle	-
Dry to tape	-	Dry to tape	-
Dry to sand	-	Dry to sand	-
Dry to polish	-	Dry to polish	-

Overspray window 15 minutes till 48 hours

SUBSTRATES



Properly cleaned unsanded ridged OEM e-Coat panels.
 Properly cleaned and sanded original OEM paint system.
 Properly cleaned and sanded GRP Glass Fibre Reinforced Polyester laminates.
 1-15 Washprimer. Bare metal not exceeding 10 cm²
 (1-15 Washprimer recommended).

SUBSTRATES PLASTIC



Substrate	8-86710 Non-Sanding
ABS	It has good direct to ABS adhesion, no need to use the 1-60 1K Plastic Primer.
PP	It has good direct to PP adhesion, no need to use the 1-60 1K Plastic Primer.
PP/EPDM	It is possible to replace the thinner with the 1-60 1K Plastic Primer. It is also possible to spray the 1-60 1K Plastic Primer first.

COMPONENTS



47-55 MS Hardener Medium
 47-65 MS Hardener Slow
 8-150 HS Hardener Medium
 8-160 HS Hardener Slow
 8-450 HS420 Hardener Medium
 8-460 HS420 Hardener Slow
 1-151 Uni Thinner Medium
 1-161 Uni Thinner Slow

ADDITIVES



47-39 2K Elastic

Check TDS of 47-39. Add before hardener.

SURFACE PREPARATION



Wash surface with 9-851 WaterBase 900+ Series Degreaser or mild detergent and water. Rinse with water and dry the surface. Wipe surface with 1-951 Silicone Remover and wipe dry with a clean cloth before the product flashes off. Final sanding if needed P400 if the complete panel will be primed. Spot repair/ local priming: final sanding with P500. Wipe surface with 1-951 Silicone Remover and wipe dry with a clean cloth before the product evaporates. Plastic surface preparation refer to the 1-60 1K Plastic Primer TDS for full details on the recommended preparation for plastic parts. Mask entire vehicle to eliminate unwanted overspray. After 48 hours thorough sanding with P400-500 is needed before the topcoat system can be applied.

Mask entire vehicle to eliminate unwanted overspray.

POT LIFE AT 20°C (68°F)



POTLIFE (+3 SEC/ DIN CUP 4 @ 20C)	
MS hardeners	40 - 45 min
HS hardeners	30 - 35 min
HS420 hardeners	37 - 45 min

NEXT LAYER



MM 900 - 9999 WaterBase 900+ Series
 MM 3000 - 3046 BeroThane HS420 3000 Series

In order to obtain the best result, we recommend the use of HS420 clears.

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIIB(c)(540)540
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIIB/c. Primer - Surfacers/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 540 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	Viscosity (RTS)	14 - 17 Dincup 4 / 20°C
	Specific Gravity (kg/l)	With M5 hardeners: 1.35 (White) With H5 hardeners: 1.37 (White) With H5420 hardeners: 1.35 (White)
	Flash Point Closed Cup	33°C / 91,4°F
	Volume % Solids	With M5 hardeners: 40 (White) With H5 hardeners: 42 (White) With H5420 hardeners: 41 (White)
	Economy	With M5 hardeners: 13 m² (White) With H5 hardeners: 14 m² (White) With H5420 hardeners: 14 m² (White) with 30 µm layer thickness)
	Gloss	Egg Gloss
	Colour	White

PROTECTION



Use suitable respiratory protection (we recommend the use of a fresh air supply respirator).

For more detailed information please visit the following link for the Safety Data Sheet:

https://sds.de-beer.com/en/debeer/choose_localization

CLEANUP



1-051 Gun Cleaner

STORAGE/SHELF LIFE



Minimum 2 years; (Under normal storage conditions 10°C - 30°C / 50°F - 90°F) (unopened container).

NOTES



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This TDS is about the Sanding version.

MIXING RATIO



3 : 1 Surfacers : MS Hardener + max 5% Uni Thinner
 7 : 2 Surfacers : HS Hardener + max 5% Uni Thinner
 6 : 1 Surfacers : HS420 Hardener + max 15% Uni Thinner

POTLIFE



POTLIFE (+3 SEC/ DIN CUP 4 @ 20C)	
MS hardeners	25 - 30 min
HS hardeners	20 - 25 min
HS420 hardeners	18 - 22 min

GUN SETUP



	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,4-1,6	2/29
HE	1,4-1,6	1,6-2,0/23-29

APPLICATION



2 - 3 coat 60-180 µm

FLASH OFF AND DRY TIMES



	AIR DRY 20°C / 68°F	FORCED DRY 40°C / 104°F	FORCED DRY 60°C / 140°F
Flash off	10 - 15 minutes	10 - 15 minutes	10 - 15 minutes
Dust free	-	-	-
Dry to handle	-	-	-
Dry to tape	-	-	-
Dry to sand	1,5 - 4 hours	45 - 60 minutes	20 - 30 minutes
Dry to polish	-	-	-

SUBSTRATES



8-86710 Allround Surfacers White should only be applied over well sanded/scuffed and degreased primed bare steel, primed aluminium. Well sanded and degreased GRP, polyester fillers and old paint systems in good condition. Well cleaned and degreased non-sanded OEM primer.

Bare metal not exceeding 10 cm² (1-15 Washprimer recommended).

On bare steel and aluminium use 1-15 Washprimer for maximum durability and rust protection.

SUBSTRATES PLASTIC



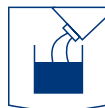
Substrate	8-86710 Sanding
ABS	It has good direct to ABS adhesion, no need to use the 1-60 1K Plastic Primer.
PP	It is possible to replace the thinner with the 1-60 1K Plastic Primer. It is also possible to spray the 1-60 1K Plastic Primer first.
PP/EPDM	It is possible to replace the thinner with the 1-60 1K Plastic Primer. It is also possible to spray the 1-60 1K Plastic Primer first.

COMPONENTS



47-35 MS Hardener Fast
 47-55 MS Hardener Medium
 47-65 MS Hardener Slow
 8-130 HS Hardener Very Fast
 8-140 HS Hardener Fast
 8-150 HS Hardener Medium
 8-160 HS Hardener Slow
 8-430 HS420 Hardener Very Fast
 8-440 HS420 Hardener Fast
 8-450 HS420 Hardener Medium
 8-460 HS420 Hardener Slow
 1-141 Uni Thinner Fast
 1-151 Uni Thinner Medium
 1-161 Uni Thinner Slow

ADDITIVES



47-39 2K Elastic

Check TDS of 47-39. Add before hardener.

DRY TIMES AND DISTANCE IR



	FLASH TIME	Half-bake	Full-bake
Maximum 3 coats	5 minutes	8 minutes	7 minutes

ON PLASTIC	FLASH TIME	Half-bake	Full-bake
Maximum 3 coats	5 minutes	8 minutes	9 minutes

Follow the IR equipment recommendations for optimal distance between object and IR-lamps

SURFACE PREPARATION



Preclean the surface with 1-951 Silicone Remover. Wipe on and wipe dry. Sand surface with P180-P240 grit abrasive. Remove all sanding debris with compressed air. Sanding vacuum and clean with 1-951 Silicone Remover. Wipe on and wipe dry. Final sanding before application P280-P320 feather-edge and GPR P400. Plastic surface preparation refer to the 1-60 1K Plastic Primer TDS for full details on the recommended preparation for plastic parts.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER



MM 900 - 9999 WaterBase 900+ Series
 MM 3000 - 3046 BeroThane H5420 3000 Series
 MM 500 - 5999 BeroBase 500 Series
 MM 2000 - 2099 BeroMix 2000 Series

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Chemical Base	2K Polyurethane Primer	
Physical Properties	Viscosity (RTS)	15 - 19 Dincup 4 / 20°C
	Specific Gravity (kg/l)	With M5 hardeners: 1.37 (White) With H5 hardeners: 1.39 (White) With H5420 hardeners: 1.39 (White)
	Flash Point Closed Cup	33°C / 91.4°F
	Volume % Solids	With M5 hardeners: 42 (White) With H5 hardeners: 44 (White) With H5420 hardeners: 45 (White)
	Economy	With M5 hardeners: 7 m² (White) With H5 hardeners: 8 m² (White) With H5420 hardeners: 8 m² (White) (with 60 µm layer thickness)
	Gloss	Egg Gloss
	Colour	White

PROTECTION



Use suitable respiratory protection (we recommend the use of a fresh air supply respirator).

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