DEBEER REFINISH 8-145
HS Surfacer Grey

GENERAL INFORMATION

8-145 HS Surfacer Grey is a 2K polyurethane high filling surfacer with excellent sanding properties, which can also be used as a non-sanding surfacer. It is very easy to apply and gives high durability and appearance.

This TDS is about the Non-Sanding version.

MIXING RATIO

3 : 1 Surfacer : 2K/MS Hardener + max 20% Uni Thinner
4 : 1 Surfacer : HS Hardener + max 30% Uni Thinner
6 : 1 Surfacer : HS420 Hardener + max 35% Uni Thinner

GUN SET UP

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,5	2/29
HE	1,3-1,5	1,8-2,0/26-29

APPLICATION

1 coat 20 - 25 µm (0,8-1,0 mil)

FLASH OFF AND DRY TIMES

AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	15 - 20 minutes	**Flash off**	-
Dust free	15 - 20 minutes	**Dust free**	-
Dry to handle	8 hours	**Dry to handle**	-
Dry to tape	8 hours	**Dry to tape**	-
Dry to sand	8 hours	**Dry to sand**	-
Dry to polish	-	**Dry to polish**	-

SUBSTRATES

8-145 HS Surfacer Grey should only be applied over well sanded/scuffed and degreased primed bare steel and primed aluminium. Well sanded GRP, polyester fillers, OEM primer and old paint systems in good condition. (Use 1-15 Washprimer for maximum durability and rust protection.)

POT LIFE AT 20°C / 68°F

30 minutes

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
47-91 Spot Repair Thinner
1-231 Fade-Out Thinner

ADDITIVES

47-39 2K Elastic

Add before hardener.

SURFACE PREPARATION

Pre clean 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 GRP P400.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER

MM 900 - 9999 WaterBase 900+ Series
MM 3000 - 3046 BeroThane HS420 3000 Series
MM 500 - 5999 BeroBase 500 Series
MM 2000 - 2099 BeroMix 2000 Series

Due to small application window only for small repairs when using MM 500 - 5999 BeroBase 500 Series.

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIB(c)(540)534
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/c. Primer - Surfacer/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 534 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	**Viscosity (RTS)**	16 - 17 Dincup 4 / 20°C
	Specific Gravity (kg/l)	1,37
	Flash Point Closed Cup	27,5°C / 81,5°F
	Volume % Solids	41
	Economy	14 m²/L/30 µm
		570 ft²/Gal/1,2 mil
	Gloss	Matt
	Colour	Grey

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PROTECTION

Use suitable respiratory protection *(fresh air supply respirator is strongly recommended)*.

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

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

CLEAN UP

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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DEBEER REFINISH 8-145
HS Surfacer Grey

GENERAL INFORMATION

8-145 HS Surfacer Grey is a 2K polyurethane high filling surfacer with excellent sanding properties, which can also be used as a non-sanding surfacer. It is very easy to apply and gives high durability and appearance.

This TDS is about the Sanding version.

MIXING RATIO

3 : 1 Surfacer : 2K/MS Hardener + max 10% Uni Thinner
4 : 1 Surfacer : HS Hardener + max 15% Uni Thinner
6 : 1 Surfacer : HS420 Hardener + max 25% Uni Thinner

GUN SET UP

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1.3-1.8	2/29
HE	1.3-1.8	1.6-1.8/23-26

APPLICATION

1 - 3 coat 60-180 µm (2,4-7,2 mil)

FLASH OFF AND DRY TIMES

AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	5 - 10 minutes	**Flash off**	5 - 10 minutes
Dust free	20 - 30 minutes	**Dust free**	-
Dry to handle	16 hours	**Dry to handle**	20 - 30 minutes
Dry to tape	16 hours	**Dry to tape**	20 - 30 minutes
Dry to sand	16 hours	**Dry to sand**	20 - 30 minutes
Dry to polish	-	**Dry to polish**	-

SUBSTRATES

8-145 HS Surfacer Grey should only be applied over well sanded/scuffed and degreased primed bare steel and primed aluminium. Well sanded GRP, polyester fillers, OEM primer and old paint systems in good condition. (Use 1-15 Washprimer for maximum durability and rust protection.)

POT LIFE AT 20°C / 68°F

20 - 30 minutes

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

Add before hardener.

SURFACE PREPARATION

Pre clean 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 GRP P400.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER

MM 900 - 9999 WaterBase 900+ Series
MM 500 - 5999 BeroBase 500 Series
MM 2000 - 2099 BeroMix 2000 Series

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIB(c)(540)534
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/c. Primer - Surfacer/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 534 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	**Viscosity (RTS)**	20 - 22 Dincup 4 / 20°C
	Specific Gravity (kg/l)	1.41
	Flash Point Closed Cup	27.5°C / 81.5°F
	Volume % Solids	44
	Economy	7 m²/L/60 µm
		285 ft²/Gal/2.4 mil
	Gloss	Matt
	Colour	Grey

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PROTECTION

Use suitable respiratory protection *(fresh air supply respirator is strongly recommended)*.

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

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

CLEAN UP

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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DEBEER REFINISH

8-14510
HS Surfacer White

GENERAL INFORMATION

8-14510 HS Surfacer White is a 2K polyurethane high filling surfacer with excellent sanding properties, which can also be used as a non-sanding surfacer. It is very easy to apply and gives high durability and appearance.

This TDS is about the Non-Sanding version.

MIXING RATIO

3 : 1 Surfacer : 2K/MS Hardener + max 20% Uni Thinner
4 : 1 Surfacer : HS Hardener + max 30% Uni Thinner
6 : 1 Surfacer : HS420 Hardener + max 35% Uni Thinner

GUN SET UP

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,5	2/29
HE	1,3-1,5	1,8-2,0/26-29

APPLICATION

1 coat 20 - 25 µm (0,8-1,0 mil)

FLASH OFF AND DRY TIMES

AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	15 - 20 minutes	**Flash off**	-
Dust free	15 - 20 minutes	**Dust free**	-
Dry to handle	8 hours	**Dry to handle**	-
Dry to tape	8 hours	**Dry to tape**	-
Dry to sand	8 hours	**Dry to sand**	-
Dry to polish	-	**Dry to polish**	-

SUBSTRATES

8-14510 HS Surfacer White should only be applied over well sanded/scuffed and degreased primed bare steel and primed aluminium. Well sanded GRP, polyester fillers, OEM primer and old paint systems in good condition. (Use 1-15 Washprimer for maximum durability and rust protection.)

POT LIFE AT 20°C / 68°F

30 minutes

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
47-91 Spot Repair Thinner
1-231 Fade-Out Thinner

ADDITIVES

47-39 2K Elastic

Add before hardener.

SURFACE PREPARATION

Pre clean 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 GRP P400.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER

MM 900 - 9999 WaterBase 900+ Series
MM 3000 - 3046 BeroThane HS420 3000 Series
MM 500 - 5999 BeroBase 500 Series
MM 2000 - 2099 BeroMix 2000 Series

Due to small application window only for small repairs when using MM 500 - 5999 BeroBase 500 Series.

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIB(c)(540)534
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/c. Primer - Surfacer/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 534 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	**Viscosity (RTS)**	16 - 17 Dincup 4 / 20°C
	Specific Gravity (kg/l)	1,38
	Flash Point Closed Cup	27,5°C / 81,5°F
	Volume % Solids	41
	Economy	13 m²/L/30 µm
		570 ft²/Gal/1,2 mil
	Gloss	Matt
	Colour	White

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PROTECTION

Use suitable respiratory protection *(fresh air supply respirator is strongly recommended).*

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

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

CLEAN UP

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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DEBEER REFINISH

8-14510
HS Surfacer White

GENERAL INFORMATION

8-14510 HS Surfacer White is a 2K polyurethane high filling surfacer with excellent sanding properties, which can also be used as a non-sanding surfacer. It is very easy to apply and gives high durability and appearance.

This TDS is about the Sanding version.

MIXING RATIO

3 : 1 Surfacer : 2K/MS Hardener + max 10% Uni Thinner
4 : 1 Surfacer : HS Hardener + max 15% Uni Thinner
6 : 1 Surfacer : HS420 Hardener + max 25% Uni Thinner

GUN SET UP

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,8	2/29
HE	1,3-1,8	1,6-1,8/23-26

APPLICATION

1 - 3 coat 60 - 180 µm (2,4-7,2 mil)

FLASH OFF AND DRY TIMES

AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	5 - 10 minutes	**Flash off**	5 - 10 minutes
Dust free	20 - 30 minutes	**Dust free**	-
Dry to handle	16 hours	**Dry to handle**	20 - 30 minutes
Dry to tape	16 hours	**Dry to tape**	20 - 30 minutes
Dry to sand	16 hours	**Dry to sand**	20 - 30 minutes
Dry to polish	-	**Dry to polish**	-

SUBSTRATES

8-14510 HS Surfacer White should only be applied over well sanded/scuffed and degreased primed bare steel and primed aluminium. Well sanded GRP, polyester fillers, OEM primer and old paint systems in good condition. (Use 1-15 Washprimer for maximum durability and rust protection.)

POT LIFE AT 20°C / 68°F

20 - 30 minutes

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

Add before hardener.

SURFACE PREPARATION

Pre clean 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 GRP P400.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER

MM 900 - 9999 WaterBase 900+ Series
MM 500 - 5999 BeroBase 500 Series
MM 2000 - 2099 BeroMix 2000 Series

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIB(c)(540)534
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/c. Primer - Surfacer/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 534 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	**Viscosity (RTS)**	20 - 22 Dincup 4 / 20°C
	Specific Gravity (kg/l)	1,42
	Flash Point Closed Cup	27,5°C / 81,5°F
	Volume % Solids	44
	Economy	7 m²/L/60 µm
		285 ft²/Gal/2,4 mil
	Gloss	Matt
	Colour	White

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PROTECTION

Use suitable respiratory protection *(fresh air supply respirator is strongly recommended).*

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

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CLEAN UP

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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DEBEER REFINISH 8-14540
HS Surfacer Black

GENERAL INFORMATION

8-14540 HS Surfacer Black is a 2K polyurethane high filling surfacer with excellent sanding properties, which can also be used as a non-sanding surfacer. It is very easy to apply and gives high durability and appearance.

This TDS is about the Non-Sanding version.

MIXING RATIO

3 : 1 Surfacer : 2K/MS Hardener + max 20% Uni Thinner
4 : 1 Surfacer : HS Hardener + max 30% Uni Thinner
6 : 1 Surfacer : HS420 Hardener + max 35% Uni Thinner

GUN SET UP

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,5	2/29
HE	1,3-1,5	1,8-2,0/26-29

APPLICATION

1 coat 20 - 25 µm (0,8-1,0 mil)

FLASH OFF AND DRY TIMES

AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	15 - 20 minutes	**Flash off**	-
Dust free	15 - 20 minutes	**Dust free**	-
Dry to handle	8 hours	**Dry to handle**	-
Dry to tape	8 hours	**Dry to tape**	-
Dry to sand	8 hours	**Dry to sand**	-
Dry to polish	-	**Dry to polish**	-

SUBSTRATES

8-14540 HS Surfacer Black should only be applied over well sanded/scuffed and degreased primed bare steel and primed aluminium. Well sanded GRP, polyester fillers, OEM primer and old paint systems in good condition. (Use 1-15 Washprimer for maximum durability and rust protection.)

POT LIFE AT 20°C / 68°F

30 minutes

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
47-91 Spot Repair Thinner
1-231 Fade-Out Thinner

ADDITIVES

47-39 2K Elastic

Add before hardener.

SURFACE PREPARATION

Pre clean 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 GRP P400.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER

MM 900 - 9999 WaterBase 900+ Series
MM 3000 - 3046 BeroThane HS420 3000 Series
MM 500 - 5999 BeroBase 500 Series
MM 2000 - 2099 BeroMix 2000 Series

Due to small application window only for small repairs when using MM 500 - 5999 BeroBase 500 Series.

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIB(c)(540)534
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/c. Primer - Surfacer/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 534 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	**Viscosity (RTS)**	16 - 17 Dincup 4 / 20°C
	Specific Gravity (kg/l)	1,35
	Flash Point Closed Cup	27,5°C / 81,5°F
	Volume % Solids	40
	Economy	14 m²/L/30 m
		570 ft²/Gal/1,2 mil
	Gloss	Matt
	Colour	Black

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PROTECTION

Use suitable respiratory protection *(fresh air supply respirator is strongly recommended)*.

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

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CLEAN UP

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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DEBEER REFINISH 8-14540
HS Surfacer Black

GENERAL INFORMATION

8-14540 HS Surfacer Black is a 2K polyurethane high filling surfacer with excellent sanding properties, which can also be used as a non-sanding surfacer. It is very easy to apply and gives high durability and appearance.

This TDS is about the Sanding version.

MIXING RATIO

3 : 1 Surfacer : 2K/MS Hardener + max 10% Uni Thinner
4 : 1 Surfacer : HS Hardener + max 15% Uni Thinner
6 : 1 Surfacer : HS420 Hardener + max 25% Uni Thinne

GUN SET UP

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,8	2/29
HE	1,3-1,8	1,6-1,8/23-26

APPLICATION

1 - 3 coat 60 - 180 µm (2,4-7,2 mil)

FLASH OFF AND DRY TIMES

AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	5 - 10 minutes	**Flash off**	5 - 10 minutes
Dust free	20 - 30 minutes	**Dust free**	-
Dry to handle	16 hours	**Dry to handle**	20 - 30 minutes
Dry to tape	16 hours	**Dry to tape**	20 - 30 minutes
Dry to sand	16 hours	**Dry to sand**	20 - 30 minutes
Dry to polish	-	**Dry to polish**	-

SUBSTRATES

8-14540 HS Surfacer Black should only be applied over well sanded/scuffed and degreased primed bare steel and primed aluminium. Well sanded GRP, polyester fillers, OEM primer and old paint systems in good condition. (Use 1-15 Washprimer for maximum durability and rust protection.)

POT LIFE AT 20°C / 68°F

20 - 30 minutes

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

Add before hardener.

SURFACE PREPARATION

Pre clean 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 GRP P400.

Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER

MM 900 - 9999 WaterBase 900+ Series
MM 500 - 5999 BeroBase 500 Series
MM 2000 - 2099 BeroMix 2000 Series

PHYSICAL DATA

EU REGULATIONS		
VOC Code		2004/42/IIB(c)(540)534
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/c. Primer - Surfacer/filler and general (metal) primer. EU limit values: 540 g/l. (2007) This product contains a maximum of 534 g/l VOC.
Chemical Base	2K Polyurethane Primer	
Physical Properties	**Viscosity (RTS)**	20 - 22 Dincup 4 / 20°C
	Specific Gravity (kg/l)	1,39
	Flash Point Closed Cup	27,5°C / 81,5°F
	Volume % Solids	43
	Economy	7 m^2/L/60 µm
		285 ft^2/Gal/2,4 mil
	Gloss	Matt
	Colour	Black

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PROTECTION

Use suitable respiratory protection *(fresh air supply respirator is strongly recommended).*

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

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

CLEAN UP

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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