

GENERAL INFORMATION

8-145 HS Surfacers 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 Surfacers : 2K/MS Hardener + max 20% Uni Thinner
4 : 1 Surfacers : HS Hardener + max 30% Uni Thinner
6 : 1 Surfacers : 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 Surfacers 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/IB(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 - Surfacers/fillers 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
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
Physical Properties	14 m²/L/30 µm
Economy	570 ft²/Gal/1.2 mil
Gloss	Matt
Colour	Grey

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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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	-

INFRARED DRYING



AFTER FULL FLASH OFF AND AT PROPER DISTANCE	
Half-bake	3 min 50°C
Full-bake	10 min 65°C
See IR Manufacturer information	

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/IIIB(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.		IIIB/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 m ² /L/60 µm 285 ft ² /Gal/2,4 mil
	Gloss	Matt
	Colour	Grey

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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GENERAL INFORMATION

8-14510 HS Surfacers 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 Surfacers : 2K/MS Hardener + max 20% Uni Thinner
4 : 1 Surfacers : HS Hardener + max 30% Uni Thinner
6 : 1 Surfacers : 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 Surfacers 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 - Surfacers/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

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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GENERAL INFORMATION

8-14510 HS Surfacers 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 Surfacers : 2K/MS Hardener + max 10% Uni Thinner
4 : 1 Surfacers : HS Hardener + max 15% Uni Thinner
6 : 1 Surfacers : 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	-

INFRARED DRYING



AFTER FULL FLASH OFF AND AT PROPER DISTANCE	
Half-bake	3 min 50°C
Full-bake	10 min 65°C
See IR Manufacturer information	

SUBSTRATES



8-14510 HS Surfacers 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/IIIB(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 - Surfacers/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
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
Physical Properties	7 m²/L/60 µm
Economy	285 ft²/Gal/2,4 mil
Gloss	Matt
Colour	White

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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GENERAL INFORMATION

8-14540 HS Surfacers 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 Surfacers : 2K/MS Hardener + max 20% Uni Thinner
4 : 1 Surfacers : HS Hardener + max 30% Uni Thinner
6 : 1 Surfacers : 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 Surfacers 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/IIIB(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

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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GENERAL INFORMATION

8-14540 HS Surfacers 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 Surfacers : 2K/MS Hardener + max 10% Uni Thinner
 4 : 1 Surfacers : HS Hardener + max 15% Uni Thinner
 6 : 1 Surfacers : 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	-

INFRARED DRYING



AFTER FULL FLASH OFF AND AT PROPER DISTANCE	
Half-bake	3 min 50°C
Full-bake	10 min 65°C
See IR Manufacturer information	

SUBSTRATES



8-14540 HS Surfacers 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/IIIB(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 - Surfacers/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 m²/L/60 µm
		285 ft²/Gal/2.4 mil
	Gloss	Matt
	Colour	Black

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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