

BDX 6100 RAPID MS CLEAR COAT 2:1



GENERAL TECHNICAL DESCRIPTION

2K SR clear coat with very fast drying properties.

Easy application and polishing right after drying.

Good chemical and mechanical endurance.

Excellent finish.

SURFACE

BDX SHADEXPERT Basecoat Mix System

PRETREATMENT/CLEANING OF SUBSTRATE



Let the basecoat dry sufficiently before the clearcoat. Clean the surface from the dust with a tack cloth.

PRODUCT APPLICATION: Apply 2 normal coats.



Mix 2 parts CLEAR COAT with 1 part BDX 7304 FAST HARDENER
Pot life: > 4 h / 23°C (73°F)

TEMPERATURE RANGE	THINNER SELECTION DEPENDING ON SIZE OF REPAIR	
	1 - 2 PARTS	3 - 5 PARTS
15 - 25°C (59 - 77°F)	8003 NORMAL	8003 NORMAL
25 - 30°C (77 - 86°F)	8003 NORMAL	8002 SLOW
30 - 35°C (86 - 95°F)	8002 SLOW	-



Addition of 5-10% BDX 8003 NORMAL / 8002 SLOW ACRYL THINNER / REDUCER



Ready to spray: 13 - 15 s
DIN 4 / 20°C (68°F)



1.2 - 1.3 mm
1.7 - 2.2 bar (25 - 32 psi)
2x coats = 45 - 50 µm
(1.8 - 2 mil)



Flash off time between coats :
3 - 5 min / 20 - 30°C (68 - 86°F)
2 - 4 min >35°C (95°F)

Flash off time before bake:
5 min* / 20 - 35°C (68 - 86°F)

* Do not exceed the guidelines given.



TEMPERATURE	DUST FREE	FREE TO HANDLE
20 - 25°C (68 - 77°F)	15 min	60 - 120 min
25 - 30°C (77 - 86°F)	10 - 15 min	45 - 60 min
30 - 35°C (86 - 95°F)	5 - 10 min	30 - 45 min
60°C (140°F)	2 min	10 min



Flash off time before IR curing: 5 min
1st step: half power 5 min
2nd step: full power 5 min
Lamp distance: 70 cm minimum

See Notes for IR equipment section below



Ready to Polish
In case of air drying: at FREE TO HANDLE time

In case of bake: 10 min after cooldown at FREE TO HANDLE time

SPECIFIC GRAVITY

0.99 ± 0.02 g/cm³

SOLID CONTENT

39 ± 2% Weight

VOC (2004/42/EC)

This is a special refinish product based on its ingredients and its properties. The maximum VOC content in this category is 840 g/L. The VOC content in the ready for use form of this product is 840 g/L.
2004/42/IIIB(e)(840)840

CLEANING OF EQUIPMENT

Clean after final use with BDX 8003 NORMAL ACRYL or HB BODY 767 NITRO thinner / reducer

REMARKS

- Application only with the recommended hardeners and thinners / reducers.
- Drying time and potlife depends on hardener, film thickness and ambient temperature (recommended film thickness 45 - 50 µm).

Notes for IR equipment:

- Do not expose the surface to temperatures above 80 - 100°C (176 - 212 °F).
- Please consult the manufacturer's instructions for the proper use of the IR equipment.

STORAGE SHELF LIFE

Guaranteed shelf life of 24 months in unused original containers stored in a cool place (5 - 25°C) (41 - 77°F).



Always wear protective equipment



Follow the application instructions mentioned in this TDS

2K paint systems tend to react with water, hence all the equipment used must be moisture free. Isocyanates may cause skin sensitization. More specifically, care should be taken when handling the material. Anyone with a history of histaminic conditions, or respiratory problems should consult the doctor first.

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