

TECHNICAL DATA SHEET

IC-830 Extreme 4:1 Overall Clearcoat

Description

IC-830 is a two-component high solid clearcoat that features optimum gloss, good flow and leveling, and very easy to polish. This product is designed for overall refinishing, which has just enough curing time to polish and gives an excellent finish.

Features

- 7 hours air dry at 20°C to polish
- Suitable for spot & panel repair
- Excellent gloss, DOI, leveling, blending, and buffing characteristics



Products

- IC-830 Clearcoat
- IC-877 Hardener Series

For matt finish and other application requirements:

- | | |
|--------------------------|---|
| • IC-2K290 Matting Agent | For an excellent matt effect of the clearcoat surface. |
| • IC-360 Anti-silicon | For preventing cratering in an individual repair. |
| • IC-800 Degreaser | For removing grease, oil, wax and silicone prior to application. |
| • IC-820 Quick Drier | For accelerating the reaction between the resin and the hardener. |
| • IC-350 Blending Agent | For eliminating the color difference between the new and old paint surfaces |
| • A5 Compound Paste | For obtaining a glossy and durable finish. |

IC-830 Extreme 4:1 Overall Clearcoat

Preparation of substrate

IC-830 is suitable to be applied on top of a clean and dust-free basecoat surface. Please degrease with IC-800 degreaser to wash off residues and tack thoroughly before application. The use of a rag is recommended. See TDS of basecoat for other preparations of substrate.

Product	Volume	Weight
IC-830	100	100
IC-867/877/887	25	25



Mixing Ratio

Note:

IC-867 is for temperatures between 5-15°C

IC-877 is for temperatures between 15-25°C

IC-887 is for temperatures above 25°C

Mix well and strain before application.



Pot Life

1-2 hrs at 25°C



Spray Viscosity

16-18 s with DIN 4 cup at 25°C

IC-830 Extreme 4:1 Overall Clearcoat



Spray Guns

Type	Nozzle Size	Pressure	Spray Distance
HVLP Gravity-feed Spray Gun	1.2-1.3 mm	1.5-2.0 bar	10-15 cm
Compliant Gravity-feed Spray Gun	1.3-1.6 mm	3.0-4.0 bar	15-20 cm



Number Of Coats

1 half wet + 1 wet coat



Film Thickness

40-60 μm



Drying Times

	20°C/68°F	60°C/140°F
Flash off	2-5 min	-
Dust Free	10-15 min	-
Ready for Assembly	5-6 hrs	30 min
Ready for Polish	7-8 hrs	60 min



IR Drying

After dust free:
Step 1 - short wave: 5 mins at an 80 cm distance
Step 2 - medium wave: 20 mins at an 80 cm distance



Product Specifications

Color: Transparent
Shelf Life: 24 months at 25°C
Theoretical Coverage: 250-300 m^2/L at 1 μm thickness
Ready to use density: 974 g/L
Weight of ready to use solids: 47.3 %

IC-830 Extreme 4:1 Overall Clearcoat

HEALTH AND SAFETY



Please refer to Material Safety Data Sheets for full Health and Safety details and product can labels.

- Hardeners contain isocyanate and therefore particular safety precautions must be taken.
- Goggles must be worn when mixing and using to prevent accidental splashing into the eye. If contact occurs with eyes give prolonged irrigation with water and get medical attention immediately.
- Good ventilation and extraction must be provided in the working environment.
- Wear suitable protective equipment to prevent skin contact with this material.
- When spraying this product the operator (and persons in vicinity) must wear suitable air-fed breathing apparatus.
- Do not smoke whilst using this material.

The products are suitable for professional use only. The data contained in this publication are based on our current knowledge and experience. The Information is given for information purposes only and we are not liable for its correctness, accuracy and completeness. The intellectual property in this document, including patents, trademarks and copyrights, is protected. All rights reserved. Published technical data and instructions are subject to change without prior notice. All rules set forth in this clause shall apply accordingly for any future changes and amendments. You can obtain the latest version of technical data sheet from our website at www.wonder-global.com or directly from your supplier.

Revised: September 2024