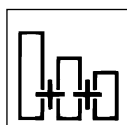
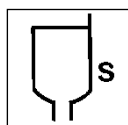




# ME400 MACROFAN PRIMA UHS CLEARCOAT ESS&RE


 1000 ml +  
500 ml

 16-18° DIN 4  
at 20°C

 Ø 1,2 1,4 mm  
N° coats: 1 + 1

 Low baking:  
40-50°C: 15-30 min.

 At 20°C:  
Handling: 2-3 h  
Through-drying:  
12-24 h

 4 min. flash-off  
8-10 min.  
max. power (60°C)

 Time of use at 20°C:  
30-60 min.

## DESCRIPTION

Ultra-high solids two-pack acrylic clearcoat formulated with products coming from renewable sources and easy to apply (VOC < 420 g/l).

## USE

Clearcoat for high quality two-coat micaceous, metallic and solid finishes, designed for touch-ups, partial and total renovations in car body repairs.

Suitable for all restoration bodyworks; It allows to optimise process times/costs in particular for some application conditions (low temperatures) and plant engineering situations (inefficient ovens).

It allows you to reduce the environmental impact, thanks to the use of a considerable percentage of raw materials of plant origin.

## CHARACTERISTICS

- Simple to prepare, mixture 2:1, without thinners/additives
- Very good speed of drying
- High gloss/full-bodied film
- High productivity
- Low energy consumption
- High environmental sustainability

## SUBSTRATE PREPARATION

Surfaces already painted with HYDROFAN base coats.

## APPLICATION

Spraying and HVLP.

Mixing ratio (by weight or by volume)	Standard Process	Fast Process
ME400 MACROFAN PRIMA UHS CLEARCOAT ESS&RE	1000 parts	1000 parts
MHE40 MACROFAN PRIMA UHS HARDENER ESSE&RE	500 parts	
MHE41 MACROFAN PRIMA FAST UHS HARDENER ESSE&RE		500 parts

Spray viscosity at 20°C: 16-18° DIN 4

Ø Air cap: 1.3 mm or HVLP or conventional;

Air pressure: as recommended by the producer

Theoretical coverage: 9.4 m<sup>2</sup> for 1 kg mixture at 50 µ; 9.6 m<sup>2</sup> for 1 l mixture at 50 µ

Condition of use/ Hardener	Standard Process MHE40	Fast Process MHE41
Time of use at 20°C and 60% R.H.	60 min.	30 min.
Mode of application	<b>1+1 coat:</b> apply 1 thin and well stretched coat; after flash-off apply 1 full, uniform coat	
Dry film thickness	45-60µ	
Flash-off between coats	5-10 minutes	5-10 minutes
Final flash-off	5-10 minutes	5-10 minutes

**DIR 2004/42/CE: Topcoat IIB/d – VOC ready for use 420 g/l**  
**This product ready for use contains at most 420 g/l VOC**

**Bio Content (%C<sub>14</sub>) according to ASTM D6866:**

**ME400: 35%**  
**MHE40: 47%**  
**MHE41: 59%**

**Note:** The result is reported as “% bio-based carbon” and indicates the percentage of carbon that comes from "natural" sources (vegetable products) rather than "synthetic" sources (petrochemical substances). For reference, 100% bio-based carbon means the material is derived completely from plants while 0% bio-based carbon means the material contains no plant-derived carbon. An intermediate value indicates a mixture of natural and fossil sources.

#### DRYING TIMES

Air drying at 20 °C	Standard Process MHE40	Fast Process MHE41
Handling	5 h	4 h
Polishing after	10-12 h	8-10 h

**Low bake at 40-50°C** (Object temperature)

Handling	30 min.	15 min.
----------	---------	---------

**Note:** after the time indicated in the table, let the substrate return to room temperature (about 1 hour), then proceed with removing any dirt.

**IR lamps** (always follow the lamps producer's instructions, times and distances change according to the colour)

Flash-off	4 min.	Not recommended
Max. power (60°C)	8-10 min.	Not recommended
Distance	60 – 80 cm	

**Note:** The through-drying continues for the following 3-4 days.

#### OBSERVATIONS

The painted car must not be exposed to severe conditions in the first days after the painting. Until the film has reached the complete cross-linking, strong humidity condensation, like dew and frost and contact with aggressive agents like smog, detergents, salt on the roads, must be avoided.

**TECHNICAL DATA SHEET N° 0764-GB**  
**UPDATED 06/2024**

All information contained in this data sheet is the result of carefully controlled tests and is correct to the best of Lechler's knowledge at the time of issue. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user. FOR PROFESSIONAL USE ONLY.