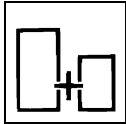


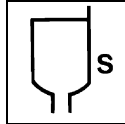


# MA380 - MACROFAN AIRTECH UHS CLEARCOAT KIT



1000 ml +  
1000 ml

Utilisation time  
at 20°C and 50% R.H.:  
30 min.



14-16" DIN4/FORD4  
at 20°C



High transfer  
Ø 1,2 - 1,3 mm  
HVLP:  
Ø 1,1-1,3 mm

N° coats:  
½+1 or 2



Air drying at 20-25°C,  
50-60% R.H. or  
15-20°C, 80-90% R.H.:  
Handling: 40 min.  
Polishing: 2 h

## DESCRIPTION

2K UHS clearcoat (VOC < 350 g/l) with "Air Tech" technology supplied in KIT A + B.

## USE

Clearcoat for high quality, two-coat pearl, metallic and solid finishes, conceived for touch-ups and partial repairs in the car body shop with an air drying painting process.

Especially suitable for small repair work, it allows you to speed up the job and to maximise energy savings as well as reduce product consumption.

Also useable as a restoring product for headlight lenses made from polycarbonate.

## CHARACTERISTICS

- Easy application and excellent flow
- High coverage (20% higher than a traditional UHS clearcoat)
- Excellent air drying rapidity
- Important cost reduction in the drying process (no energy consumption)
- Excellent hardness and good effect of superficial sliding
- Excellent gloss
- High rapidity of the execution of the repair process; the product can be polished after 2h at 20°C and 50-60% R.H.
- Excellent adhesion on lenses made from polycarbonate
- Low environmental impact, due to very low VOC emissions <350 g/l and no baking

## SUBSTRATE PREPARATION

Surfaces already painted **only with the following matt basecoats**: HYDROFAN Basecoat activated at 7% with HH981 HYDROFAN BC EASY ACTIVATOR (see relevant TDS) or BSB Basecoat activated at 5% with 00362 HS HARDENER MEDIUM (only for authorised uses by the Directive 2004/42/CE).

**O.E.M. original surfaces** (fade-out area and closure of the painting process): suitably prepare the substrate according to the instructions of the **Painting Process Technical Data Sheet n° CV036**.

**Car headlight lenses made from polycarbonate**: for the substrate preparation follow carefully the instructions of the painting process TDS n° CV039.

## APPLICATION

By conventional high transfer spray and HVLP.

### Mixing ratio:

MC380 MACROFAN AIRTECH UHS CLEARCOAT  
MH380 MACROFAN AIRTECH UHS HARDENER

### weight and volume

1000 parts  
1000 parts

## IMPORTANT

**Summertime** : Given the product rapidity, especially in high humidity conditions, it is recommended to prepare the mixture only immediately before use and to avoid down time.

**Wintertime**: Given the low mixture viscosity, it is recommended to store the product at room temperature (18-20°C), in order to keep the vertical hold of the mixture ready for use unaltered.

Utilisation time at 20°C and 50% R.H.: 30 min.

Spray viscosity at 20°C: 14-16" DIN4

Ø Air cap: conventional high transfer 1.2- 1.3 mm; HVLP: 1.1-1.3 mm

Air pressure: as recommended by the spray gun producer

Theoretical coverage: 11,7 m<sup>2</sup> for 1 kg mixture at 40 µ; 12 m<sup>2</sup> for 1 l mixture at 40 µ

Recommended painting processes	Spot Repairs (1/2 panels)	Sides and large surfaces (3/4 panels - bonnet)	Headlights or parts made from carbon fibre
Dry film thickness	30-40 micron	35-50 micron	45-60 micron
Application	1 light coat + 1 following uniform coat in quick sequence	1 uniform coat and a following 2nd regular coat in quick sequence	2 uniform coats
Flash-off between coats	none	5-10 minutes	2- 5 minutes
Final flash-off	none	none	none

DIR 2004/42/CE: Topcoat IIB/d – VOC ready for use 420 g/l

This product ready for use contains at most 350 g/l VOC

## DRYING TIME

Air drying at 20-25°C and R.H. 50-60% or 15-20°C and R.H. 80-90%

Dust-free	Handling	Polishing	Through-drying
15 min..	40 min.	2 hours	6 hours

Low bake: not recommended, but possible

At 60°C	At 50°C
10 min.	15 min.

IR lamps: not recommended

The drying continues in the following 48 hours

## POLISHING

Note: before polishing use very fine abrasive papers to remove defects.

After 2 h at 20°C and 50% R.H. it is possible to remove any dirt and polish with abrasive papers and Lechler polish (see technical data sheets for polishing processes N° CL013 and following).

ATTENTION: after 24 h treat dirt removal and polish as for an antiscratch clearcoat, sand only with abrasive paper P3000 polish (see technical data sheets for polishing processes N° CL013 and following).

## OBSERVATIONS

The product is especially sensitive to humidity, therefore close the cans immediately; after the first opening, the product has a stability of **1 month**: after this time any further use is not recommended.

The humidity absorption considerably reduces the product's utilisation time and jeopardises the final result; the product is clear in its normal state: should it be opalescent/cloudy (humidity absorption effect), don't use the product.

The painted car must not be exposed to severe conditions in the first days after the painting. Until the film has reached 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° 0683-GB**

**UPDATED 01/2021**

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