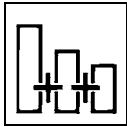


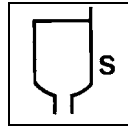


## 09890 – MACROFAN HS 2000 MATT



**UHS Hardeners**  
1000 ml +  
150 ml +  
250-350 ml

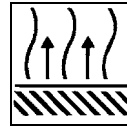
**HS Hardeners**  
1000 ml +  
250 ml +  
300-350 ml



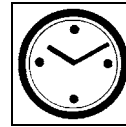
16-17" DIN4  
at 20° C



Ø 1,2-1,4 mm  
4 Atm  
HVLP:  
Ø 1,4 mm  
2,5 Atm  
N° of coats: 2



10-15 min.



Air drying at 20°C  
Tack free: 2-4 h  
Through-dry 16-24 h  
Low bake at 60°C  
30 min.

### DESCRIPTION

Two-pack acrylic matt clear.

### USE

Suitable for finishing cars and motorcycles parts already coated with Matt Basecoat, series HYDROFAN or BSB.

### CHARACTERISTICS

- Easy to apply
- Very good scratch resistance
- Uniform matt aspect
- Very good light and weather resistance
- Suitable to be used mixed with 09896 MACROFAN HS 2000 SAT to obtain different matt levels

### SUBSTRATE PREPARATION

Can be applied on surfaces already coated with HYDROFAN or BSB Matt Basecoat after flash-off.  
The product can be applied directly on ABS or PC/ABS substrates after degreasing with 00617 PLASTIC CLEANER.

### APPLICATION

Spray application.

| Mixing ratio:                                       | By weight and by volume |               |
|---|-------------------------|---------------|
|   | HS Hardeners            | UHS Hardeners |
| 09890 MACROFAN HS 2000 MATT                         | 1000 parts              | 1000 parts    |
| 00174 – 00362 – 00379 HS HARDENERS                  | 250 parts               |               |
| MH100 – MH110 – MH115 UHS HARDENERS                 |                         | 150 parts     |
| 00740 -00741 -00742 -00755 THINNERS AUTOREFINISHING | 300-350 parts           | 250-350 parts |

Pot-life at 20 °C: 6-8 hours

Spray viscosity at 20°C: 16-17" DIN 4

Air cap Ø: 1.2 - 1.4 mm (traditional guns); 1.4 mm (HVLP guns)

Air pressure: 4 Atm (traditional guns); 2.5 Atm (HVLP guns)

Number of coats: 2

Suggested film thickness: 25-30 µ

Coverage (theoretic value): 1 l mixture = 7.5 m<sup>2</sup> by 25 µ

**DIR 2004/42/CE: Special finishes IIB/e – VOC ready for use 840 g/l**

**This product ready for use contains at most 700 g/l VOC**

## DRYING TIME

### Air drying at 20 °C

Handling: 2-4 hours

Through-dry: 16-24 hours

### Low bake at 60 °C (object's temperature):

30 min. after 10-15' flash-off at 20 °C or when the surface has become uniform matt

## NOTES

In order to obtain different matt / glossy degrees in the two-coat paint process, follow the mixing ratios between clearcoats, hardeners and thinners as follows:

### AREAS SUBJECTED TO DIR. 2004/42/CE

| GLOSS LEVEL                         | CLEARCOATS |       |             | HARDENER      | THINNER       |
|-------------------------------------|------------|-------|-------------|---------------|---------------|
|                                     | 09890      | 09896 | MC411/MC420 | MH100-110-115 | 00740-1-2-755 |
| EXTREME MATT (ca. 10 <sup>^</sup> ) | 100        |       |             | 15            | 25-35         |
| MATT (ca. 20 <sup>^</sup> )         | 50         | 50    |             | 15            | 25-35         |
| SATIN (ca. 30 <sup>^</sup> )        |            | 100   |             | 15            | 25-35         |
| SEMI-MATT (ca. 40 <sup>^</sup> )    |            | 95    | 5           | 15            | 25-35         |
| GLOSSY                              |            |       | 100         | 50            | 0-5           |

### AREAS NOT SUBJECTED TO DIR. 2004/42/CE

| GLOSS LEVEL                         | CLEARCOATS |       |       | HARDENER          | THINNER       |
|-------------------------------------|------------|-------|-------|-------------------|---------------|
|                                     | 09890      | 09896 | 09792 | 00379-00362-00174 | 00740-1-2-755 |
| EXTREME MATT (ca. 10 <sup>^</sup> ) | 100        |       |       | 25                | 20-35         |
| MATT (ca. 20 <sup>^</sup> )         | 50         | 50    |       | 25                | 30-35         |
|                                     | 90         |       | 10    | 25                | 25-35         |
| SATIN (ca. 30 <sup>^</sup> )        |            | 100   |       | 25                | 30-35         |
|                                     | 85         |       | 15    | 30                | 25-35         |
| SEMIMATT (ca. 40 <sup>^</sup> )     |            | 80    | 20    | 30                | 25-35         |
|                                     | 80         |       | 20    | 30                | 25-35         |
| GLOSSY                              |            |       | 100   | 50                | 10-20         |

### NOTA BENE:

The panels have been painted as follows:

- Matt Basecoat: HYDROFAN BASECOAT
- CLEARCOAT: prepared with hardener and MEDIUM thinner and applied with 2 coats (flash off between coats until complete matt)
- DRYING: 30 min. at 60°C

The gloss level indicated on the tables refers to measuring carried out according to DIN67530 with angle 60<sup>^</sup> and is only approximate, being affected by different parameters (see paint process technical data sheet n° 024).

**TECHNICAL DATA SHEET N° 0448-GB**

**UPDATED 10/2008**

The information shown in these sheets is given in good faith as being true and although every effort of verification has been made before use, we cannot accept responsibility for any inaccuracy. THIS PRODUCT IS FOR THE PROFESSIONAL PAINTING OF ROAD VEHICLES BY QUALIFIED PERSONNEL