

# HALLEY UV200

1K UV PRIMER FILLER



TECHNICAL DATA SHEET **C43**

Version: 230109

## DESCRIPTION

Polyester primer suitable for medium and small repairs, allowing drying times close to a minute with the use of UV drying lamps, significantly reducing repair process times.



## PHYSICAL CHARACTERISTICS

**Nature:** Unsaturated polyester

**Color:** Translucent

**Specific weight:** 1,4kg/l a 20°C

|                           |                        |
|---------------------------|------------------------|
| VOC (Application Mix)     | 200 g/l                |
| VOC USA (Application Mix) | 14 g/l                 |
| Yield (Per coat)          | 9-13 m <sup>2</sup> /l |

## SURFACE OR SUPPORT PREPARATION




| Process | OEM paint | Cataphoresis | Polyester putties | Aluminium | Steel | Electro zinc plated steel | Galvanized steel | Plastics* |
|---------|-----------|--------------|-------------------|-----------|-------|---------------------------|------------------|-----------|
| P240    | •         | •            | •                 | •         | •     | •                         | •                | •         |
| DA93    | •         | •            | •                 | •         | •     | •                         | •                | •         |

*\*In applications on plastics, once the support has been prepared and before using the primer, it is necessary to use the adhesion promoter for Primerplast plastics.*

## MIXING RATIO

|              | Vol.   | Weight |
|--------------|--|--------|
| Halley UV200 | Ready for use.<br>DO NOT add solvent thinner |        |
| F/4 a 20°C   | 25 s   |        |


## APPLICATION METHOD

| Support  | Metal                         | Plastic                       |
|--|-------------------------------|-------------------------------|
|   | 1.2-1.4 mm                    | 1.2 mm                        |
| Hybrid   |                               |                               |
|   | 1.5-2.0 bar                   | 1.5-2.0 bar                   |
| Total dry maximum thickness  | 120 µm                        | 80 µm                         |
|  | 2                             | 2 thin                        |
| 20°C   | 2 min. between coats          | 2 min. between coats          |
| Drying between coats   | No                            | Yes*                          |
| 20°C   | 5 minutes before final drying | 2 minutes before final drying |

\*See drying chart for exposure time to UV light

When repairing with colors that have low covering power, to improve the result, apply one coat of the equivalent recommended primer color from the corresponding WB basecoat system.

## DRYING

|   | Irradiance                | Static curing time |
|---|---------------------------|--------------------|
|  | 12-55 mW/cm <sup>2</sup>  | 2 min.             |
|   | 56-200 mW/cm <sup>2</sup> | 1 min.             |
|   | >200 mW/cm <sup>2</sup>   | 30 s.              |

UV LED 395nm (20°C)

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## DRYING

|                       | UV LED<br>395nm (20°C) | Curing in motion       | Static curing         |
|-----------------------|------------------------|------------------------|-----------------------|
| Lamp-support distance |                        | 10 cm                  | 56 cm                 |
| Irradiance            |                        | 340 mW/cm <sup>2</sup> | 14 mW/cm <sup>2</sup> |
| Illuminated diameter  |                        | 18 cm                  | 68 cm                 |
| Drying time           |                        | 1 min.                 | 2 min.                |

Drying time increases for: higher thicknesses than previously recommended, less powerful lamps and large surfaces where the lamp has to be moved away.

In case of thicknesses greater than those recommended above, start drying by placing the lamp at a greater distance and gradually move it closer.

To ensure curing of the edges and blurring of the patch/part, remove the masking paper during lamp drying.

Using lower intensity lamps in the dominant wavelength range (395nm) may increase drying time.

For curing in motion it is important not to have a repair surface larger than 50x50 cm; in case of larger dimensions increase the curing time.

## SANDING

|              |         |           |
|--------------|---------|-----------|
| <br>ORBITE 3 | INITIAL | P320/P400 |
|              | FINAL   | P500/P600 |

## EQUIPMENT CLEANING

Clean the spray gun and its components with cleaning solvent after application.

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## SAFETY

Consult the product label. For more information consult the safety data sheets. Comply with occupational health and safety and waste disposal guidelines.

Wear protective goggles with 100% UV filter when handling the lit lamp and avoid contact of UV light with the skin.

## STORAGE

The product hardens in contact with daylight, therefore it is necessary to keep the product container open for as short a time as possible. Do not leave the product for more than 5 days inside the opaque cups.

Keep in a cool and ventilated place avoiding exposure to direct sunlight. Store between 5°C and 30°C.

## GUARANTEE

In original unopened packaging, one year from date of manufacture.

**For any technical information, contact our Customer Support Service or our Technical Department**

*These products are for professional use only. The Safety Data Sheet should be consulted before use and the precautionary warnings on the product packaging should be observed. Its correct use, according to its purpose and respecting its technical and security data, provided in these documents, is the sole and exclusive responsibility of the user. ROBERLO S.A.U declines any liability due to the incorrect use of any product.*

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