

## GLASSDESIGN BT WB CLEAR 2K



Spraying



Waterborne

### PROPERTIES

Top of range polyester Waterborne base coat for bottling and glassware decorative applications (Cosmetics, beverages,...):

- Very high performance coating system regarding:
  - Scratch resistance;
  - Chemical resistance;
  - Color durability;
  - Immersion;
  - Hardness;
  - Adhesion;
  - Very low VOC.
- Curing process: 1' at RT & 12' at 180°C (convection oven)
- 2K: 1% of Silane before applying

### PERFORMANCES

Compliant to high demanding requirements in cosmetic (Christian Dior, L'Oréal, YSL...)

#### WATER IMMERSION

| Tests              | Results                           |
|--------------------|-----------------------------------|
| 24hrs / Cold water | No damages on colour and adhesion |
| 4hrs / 40°C        | No damages on colour and adhesion |

#### G1 TESTS

| Tests   | Results   |
|---|---|
| Static deposit / 15'                          | No damages on colour and adhesion                       |
| Immersion / 24hrs / RT                        | No damages on colour and adhesion                       |
| Immersion / 4hrs / 55°C                       | No damages on colour and adhesion                       |
| Immersion / 24hrs / 55° C + waiting time: 15' | No damages on colour and adhesion / No damages on edges |

#### CLIMATE CYCLE TESTS

| Tests   | Results                           |
|---|-----------------------------------|
| 10 days, -20°C/+20°C/+40°C, with and without everyday G1 applications   | No damages on colour and adhesion |
| 10 days, +40°C / 95% humidity   | No damages on colour and adhesion |
| Combined cycles (with thermal shock):<br>-5 days, -20°C/+20°C/+40°C/Wet chamber/+20°C, 24hrs each, with and without everyday G1 applications<br>-6 days, +40°C/-20°C, 3 times – 24hrs each, with and without everyday G1 applications | No damages on colour and adhesion |

#### BASIS

Polyester

#### TECHNOLOGY

Water

#### SUBSTRATES

Bottles, glassware

#### SURFACE TREATMENT

Flaming

#### Technical Data

|  |                                 |
|--|---------------------------------|
| <b>Solids by weight</b>                | 30 %                            |
| <b>VOC</b>                             | 138 g.L <sup>-1</sup>           |
| <b>Spreading rate m<sup>2</sup>/kg</b> | 24,8 m <sup>2</sup> / 10 µm dry |

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