



**BMA Commercial & Industrial s.a.r.l.**

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1- **ITEM IDENTITY :**

- NAME : PAINT FOR GLASS + HARDENER
- CODE : DIF-GLA000 + DIF-HGL000
- DESCRIPTION : two-component, solvent-based, air drying, non-porous, self-priming, high performance, professional paint for glass.

2- **ITEM USE FIELDS :**

- BMA glass paint could be used on indoor and outdoor clean glass.
- It could be used as a professional architectural glass paint, or as a decorative paint.

3- **ITEM GENERAL CHARACTERISTICS :**

- Durable elegant finish, up to 5 years minimum, according to the environment conditions.
- Remarkable coverage and chemical resistance.
- Very good wetting ability.
- Ideal gloss and color retention.
- Great water resistance, but not for a long immersion duration.
- Remarkable resistance to weather variation, ultraviolet rays, acidic rain,...
- Excellent levelling with a good flow.
- Good resistance to several chemicals, such as gasoline, alcohol, oils and grease, salted water,...
- Good re-coating interval.
- Great hard film with an elegant finish.
- Tintable.

- Easy to be cleaned-up .

#### 4- ITEM STANDARDS @ 25°C :

|                            |  |
|----------------------------|--|
| Specific gravity           | 1.15 ± 0.02 g/cm <sup>3</sup>  |
| Viscosity                  | 45 sec   |
| Solid content              | 60 ± 2 % by volume   |
| V.O.C. content             | 293 g/L  |
| Catalyst %                 | 50 %   |
| Pot life                   | 2 hours  |
| Dry to touch               | 2.5 hours ± 0.15 min.  |
| Dry to overcoat            | 5 hours  |
| Full cure                  | 3 days   |
| Theoretical spreading rate | 5.75 ± 0.5 m <sup>2</sup> /L upon the surface                            |
| Recommended wet film       | 30 - 80 μm   |
| Recommended dry film       | 25 - 50 μm   |
| Best diluent               | Thinner 050 BMA  |
| Dilution %                 | 5 - 10 % minimum by air spraying   |
| Flash point                | 30 °C ( glass paint) & 25 °C (catalyst)                                  |
| Heat resistance            | Up to 100°C  |
| Miscibility with water     | Not miscible   |
| Color                      | All colors are available upon request                                    |
| Gloss level                | 70 – 80 %  |
| Shelf life                 | 2 years (glass paint) & 9 months (catalyst)<br>in well closed containers |

#### 5- APPLICATION :

##### ➤ Substrate preparation

BMA glass paint should be applied on a well cleaned surface, which should be previously treated with a suitable alcohol solution, to remove any impurities that could impregnate into the glass surface and interfere with proper adhesion.

##### ➤ Coating preparation

- Stir the glass paint can and the hardener can separately with a wooden or a glass stirrer.
- In a deep can, mix the exact needed quantity of glass paint, that could be used within the pot life limit, with 50% of hardener.
- Wait 2-3 minutes then thin with the suitable quantity of BMA thinner 050.
- Let the mixture digest for about 5 minutes before application.

##### ➤ Application on glass

- Apply the first coat of BMA glass paint, and wait 4 to 5 hours to dry.
- Apply the second coat and let dry.

- Apply the third coat if needed and let dry.
- Same procedure could be followed while painting mirrors.

➤ Application tips

- BMA glasspaint solvent-based could be applied by a brush, a roller or a spraying gun.
- It's recommended to mix just the needed quantity of BMA paint for glass with 50% of its hardener just before the application and to close hermetically the cans of the remaining 2 components to avoid their solidification.
- It's recommended to apply at least 2-3 thin layers of glass paint instead of applying only 1 thick layer which could face drying issues.

➤ Cleaning

Clean hands and tools directly with BMA thinner 050; any residue left in the spraying gun could irreversibly block its nozzle.

6- **LIMITATIONS :**

It's not recommended to use this product in the following cases:

- When the application area is closed and not well ventilated.
- When one of the 2 components is expired.
- When the temperature is below 5°C or above 40°C.
- When the substrate temperature is not at least 3°C above the dew point.
- When the humidity overstep 85%.
- When rain is forecasted within 72 hours after application on an outdoor substrate.
- When the mixture of the 2 components oversteps the pot life limit.
- When the coating will be applied over a dirty glass, unless it's well treated and well cleaned.
- When the coating will be applied over a wet substrate.

7- **AVAILABLE PACKAGES :**

- 1L for the glass coating.
- 500mL can for the catalyst .

8- **STORAGE :**

Store this product in well closed containers, kept in a ventilated area, away from direct sunlight, heat sources, flames, freezing conditions, in a moderate temperature between 5 to 35°C.

9- **HEALTH AND SAFETY :**

- Keep out of the reach of children.
- Apply in a well ventilated area away from children, pregnant women and persons with respiratory problems.
- Don't hang the product container while storing.
- Do never touch any paint with bare hands.

- It's recommended to wear face mask and hand gloves while applying, especially in case of repetitive exposures.
- In case of eye contact flush with large amounts of water without rubbing eyes, if the malaise persists, directly contact a physician.
- In case of skin contact, wash the defected area with warm soap water; if any allergic reaction appears consult a physician.
- Get rid of the unused remaining quantities and the empty cans according to your country regulations.

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