



## APPLICATION PROCEDURE

### HEMPEL'S BRICK VARNISH 06P03

#### 1. INTRODUCTION

The purpose of this procedure is to define the correct way to paint Viroc® panels with Hempel's Brick Varnish 06P03.

The upper face on the package is called face A and will be the face that will be exposed and visible.

The back face that will be hidden will be called face B.

#### 2. APPLICATION TEMPERATURE

The application of Hempel's Brick Varnish 06P03 can only be carried out when the temperature at the application site is in the range 5°C to 30°C.

#### 3. RELATIVE HUMIDITY

The application of Hempel's Brick Varnish 06P03 can only be carried out when the relative humidity at the application site is below 80%.

#### 4. DEW POINT

The application of Hempel's Brick Varnish 06P03 can only be carried out when the surface temperature of the Viroc® panel is at least 3°C above the dew point.

#### 5. RECOAT INTERVALS

The minimum recoating interval between coats of Hempel's Brick Varnish 06P03 is 1 hour (at a temperature of 20°C).

When varnished in the workshop, the panels can only be packed 72 hours (3 days) after applying the last coat of Hemucryl Enamel 58100 (at a temperature of 20°C) and placing a plastic film separating the panels.

#### 6. CLEANING THE VIROC® PANEL

Clean the face A of the Viroc® panel, removing any dirt, grease, dust or salts, by gently polishing with a cleaning disc. Viroc Portugal has suitable discs for cleaning the panels.

On face B, a simple cleaning can be performed, by brushing or sanding with fine sandpaper and subsequent removal of residues.



## 7. VARNISH APPLICATION

### Face B

Apply one coat of Hempel's Brick Varnish 06P03 by roller, without thinning, layer (1); this coat is intended to seal the panel porosity.

### Face A and Edges

Apply one coat of Hempel's Brick Varnish 06P03 by roller, without thinning, layer (2); this coat is intended to seal the panel porosity.

Apply two coats by spray or by roller of Hempel's Brick Varnish 06P03 by roller, without thinning, layers (3) and (4). The minimum dry film thickness for these coats will be 50µm (25 µm per coat).

## 8. QUALITY CONTROL

The applicator, before and during the varnishing work of Viroc® panels, must carry out the following quality control registration tasks:

- a) Check that Viroc® panels are not wet.
- b) Check if the temperature of the panel is 3°C above the dew point.
- c) Measure the temperature and relative humidity of the place where the varnishing will be carried out.  
Frequency of measurements: 3 times a day during working hours (morning, midday and mid-afternoon).
- d) The batch numbers of the products used will be noted on the painting registration sheet.  
The expiry date shown on the package will also be recorded.
- e) In order to control the amount of paint applied on the Viroc® panel, samples of a minimum size of 400x800 mm will be carried out simultaneously with the painting of the panels, randomly arranged without ever being followed, where metal sheets will be placed (one unit per panel), with a minimum dimension of 75x150 mm and which will be spray-painted in the last two finishing coats, layers (3) and (4).
- f) The number of samples to be carried out will be one metal sheet per 200m<sup>2</sup>.  
The ink thickness measured on the control recording plates after drying, relating to layers (3) and (4), must not be less than 60 µm.
- g) If you verify that the amount of paint applied is less than that indicated above, additional coats will be applied until the minimum dry thickness is respected. You can lightly sand with fine sandpaper to improve the adhesion between coats.

## 9. MAINTENANCE

Remove all coats that do not guarantee good adhesion.

Wash and degrease the surface with a high pressure fresh water jet.

Allow to dry completely.

Apply Hempel's Brick Varnish 06P03 in the necessary coats.



REMARKS:

Viroc Portugal S.A. and Hempel Portugal S.A. reserve the right to change the information contained in this application procedure whenever they see fit.

**Description:** Treatment based on thermoplastic acrylic resins and organic solvents. Forms a hard film, water repellent and resistant to sun radiation.

**Recommended use:** Waterproofing colourless consolidating and protector to apply on concrete, plaster, stone, bricks and other absorbent substrates in interiors and exteriors.

**Features:**

- Resistant and long lasting.
- Does not go yellow.
- Very good brushability.
- Good hiding power.
- Excellent levelling.
- Resistant to cracking, even at low temperatures.
- High level of flexibility.
- Low odour.
- Wet scrubs resistance < 5 µ according UNE-EN ISO 11998 (class 1)

**Physical constants:**

Colours/shade Nos.:	Colourless / 00000
Finish:	Smooth flat
Solids of volume, %	25 ± 1
Theoretical spreading rate:	10 m <sup>2</sup> /litre at 25 microns
Flash point:	25°C
Specific gravity:	0,9 kg/litre
Dry to touch:	25 minutes at 20°C
VOC content:	650 g/litre

*The physical constants stated are nominal data according to the Hempel Group's approved formulas.*

**Application details:**

Application method:	Brush / Roller
Thinner (max.vol.):	Hempel's Thinner 08080 (see remarks)
Cleaning of tools:	Hempel's Thinner 08080
Recoat interval, min:	1 hour at 20°C with good ventilation
Recoat interval, max:	None

**Safety:** Packings are provided with appropriate safety labels which should be observed. In addition, Material Safety Data Sheet(s) should be consulted and national or local safety regulations should be followed. As a general rule, inhalation of possible solvent vapours or paint mist, and contact of liquid paint with skin and eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint. Necessary precautions against the risk of fire or explosions must be taken.

**SURFACE PREPARATION:**

**NEW SURFACES:**

**Concrete:**

- Let it to cure completely (28 days min).
- Remove laitance and efflorescence, if any, by wet abrasive blasting or high pressure water jet (200 Kg/cm<sup>2</sup> approx).
- Hose down with fresh water to remove residual abrasive, if wet abrasive blasting has been used.
- Let it to dry completely.

**Cement, rendering, brickwork, stone, etc.**

- Remove dust and other bad adhered materials.

**Application**

- To seal the surface apply one coat of Hempel's Brick Varnish 06P03 30-40% thinned with Hempel's Thinner 08080 depending of substrate porosity.

**REPAIR AND MAINTENANCE:**

**Old surfaces:**

- Remove oil, grease and dirt with Hempel's Navi Wash 99330 (See technical data sheet).
- Remove salts and rests of 99330 and other contaminants with fresh water to high pressure. Let it dry.

- Remove dust and other bad adhered materials.

- To seal the surface apply one coat of Hempel's Brick Varnish 06P03 30-40% thinned with Hempel's Thinner 08080 depending of substrate porosity.

- Apply one or two coats of Hempel's Brick Varnish 06P03 not diluted or the recommended finishing product.

**Surfaces treated with lime or similar:**

- Remove thick lime parts completely. If it is thin and well adhered, remove only the bad adhered parts.
- Proceed as the above section.

**REMARKS:**

No dilution	Diluted 5%	Phase II limit, 2010
650 g/l	675 g/l	750 g/l

**Note:**

**Hempel's Brick Varnish 06P03** is for professional use only.

**ISSUED BY:**

Hempel A/S

06P0300000

This Product Data Sheet supersedes those previously issued. For explanations, definitions and scope, see "Explanatory Notes" available on [www.hempel.com](http://www.hempel.com). Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User. The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.