

# Halar® 7114

## ethylene chlorotrifluoroethylene copolymer

Halar® 7114 is a waterborne ECTFE dispersion intended as a primer for use with Halar® powder coatings and rotational linings. It can be applied with a standard liquid spray gun and is almost free from VOC. Halar® 7114 provides optimum and rapid bonding and can be used to maximize adhesion consistency.

- Light brown color
- Optimum and rapid adhesion
- Improved adhesion consistency
- Very good thermal properties
- Very good chemical resistance
- Good storage life at ambient temperature

Main features of Halar® 7114 include:

### General

|                   |  |   |
|-------------------|--|---|
| Material Status   | • Commercial: Active                                 |   |
| Availability      | • Africa & Middle East<br>• Asia Pacific<br>• Europe | • Latin America<br>• North America          |
| Features          | • Bondability<br>• Corrosion Resistant               | • Good Adhesion<br>• Good Thermal Stability |
| Uses              | • Bonding  | • Coating Applications                      |
| Appearance        | • Light Brown  |   |
| Forms             | • Dispersion   |   |
| Processing Method | • Wet Spray Coating                                  |   |

### Physical

|                | Typical Value | Unit              | Test method |
|----------------|---------------|-------------------|-------------|
| Density        | 1.18          | g/cm <sup>3</sup> | ASTM D3275  |
| Solids Content | 42.0          | wt%               |             |

### Thermal

|                     | Typical Value | Unit | Test method |
|---------------------|---------------|------|-------------|
| Melting Temperature | 242           | °C   | ASTM D3275  |

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### Additional Information

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#### Processing

- Halar® 7114 can be used as primer of all current Halar powders for electrostatic powder coating and rotational lining to ensure good adhesion development. It can be applied with a standard liquid spray gun and can be used neat and without any further formulation. Generally, the procedure involves substrate preparation, application of a thin layer of Halar® 7114, followed either by several passes (i.e., depending on application) of Halar® topcoat applied by electrostatic powder coating, or by rotomolding of Halar® 6012F on the primed substrate to form an integral, pinhole free liner.

#### Storage and Handling:

- Halar® 7114 must be stored under suitable temperature conditions to ensure prolonged stability. Temperatures lower than 5°C must be avoided to prevent irreversible settling. Also, some settling may occur on prolonged standing and/or heat exposure. It is therefore strongly recommended that the product is always kept at temperatures below 35°C. The optimum storage temperature range is 10-25°C. It is also advisable that the product is homogenized by gentle rolling or stirring once per month and prior to use. To avoid contamination, it is also recommended to keep the containers closed when not in use.

#### Safety and Toxicology:

- Before using Halar® melt processable fluoropolymer resins consult the product - Material Safety Data Sheet and follow all label directions and handling precautions. As with all fluoropolymer materials, handling and processing should only be carried out in well ventilated areas. Vapor extractor units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact, wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes. See Material Safety Data Sheet for detailed advice on waste disposal methods.

#### Packaging:

- Halar® 7114 is packaged in 1 gallon (3.8 liters) non returnable containers.
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#### Notes

Typical properties: these are not to be construed as specifications.