

# Joncryl<sup>®</sup> PRO 1525

|                                    |   |
|------------------------------------|---|
| <b>Product Description</b>         | Joncryl PRO 1525 is an acrylic emulsion for high gloss corrosion-resistant coatings.  |
| <b>Key Features &amp; Benefits</b> | <ul style="list-style-type: none"><li>- Exterior metal protection</li><li>- Thin film coating applications</li><li>- Corrosion resistant</li><li>- Block resistant</li><li>- High gloss</li></ul> |
| <b>Chemical Composition</b>        | Acrylic emulsion  |

## Properties

|                                |   |         |                           |
|--------------------------------|---|---------|---------------------------|
| <b>Product Specifications</b>  | Appearance  |         | semi-translucent emulsion |
|                                | Non-volatile at 145°C<br>(2g, 60 minutes)                     | %       | 43.0 – 45.0               |
|                                | pH at 25°C  |         | 8.2 – 9.2                 |
|                                | Viscosity at 25°C<br>(Brookfield #2LV, 60 rpm,<br>60 seconds) | cps     | 40 – 300                  |
| <b>Typical Characteristics</b> | Density at 20°C   | lbs/gal | 8.68                      |
|                                | MFFT  | °C      | 39                        |
|                                | Freeze-thaw stable  |         | No                        |

These typical values should not be interpreted as specifications.

## Applications

Joncryl PRO 1525 is an emulsion for direct-to-metal applications. It has good corrosion resistance without the use of anti-corrosive pigments as determined by Salt Spray Resistance ASTM B 117. This emulsion is harder than Joncryl PRO 1522 and shows improved block performance.

Joncryl PRO 1525 is recommended for applications such as:

- Interior/exterior general metal industrial coating applications
- OEM industrial direct-to-metal applications that require a high gloss (> 80 at 60°) and a dry film thickness of 25 – 40 microns (1 – 1.5 mils).

### Starting Point Formulation:

The following formulations are recommended for an initial evaluation of Joncryl PRO 1525. Additional optimization of the formulation may be desired to achieve maximum performance or appearance for specific applications. Improved water soak was achieved by using more hydrophobic solvents in the standard starting point formulation (such as blends of Propylene glycol n-propyl ether (PnP) and Dipropylene glycol n-butyl ether (DPnB)).

**Joncryl PRO 1525 FORMULA LJB-019B**

| <b>Materials</b>   | <b>Pounds</b> | <b>Gallons</b> |
|--|---------------|----------------|
| DI Water   | 76.30         | 9.16           |
| Disperbyk <sup>1</sup> 190   | 16.82         | 1.9            |
| Ti-Pure <sup>2</sup> R-900   | 162.96        | 4.85           |
| FoamStar <sup>®</sup> SI 2210 NC                                   | 2.13          | 0.30           |
| <b>Grind for 30 minutes at 3,400 rpm or to 7 Hegman. Then add:</b> |               |                |
| Joncryl <sup>®</sup> PRO 1525                                      | 584.98        | 66.4           |
| Surfynol <sup>3</sup> 104DPM                                       | 5.07          | 0.64           |
| <b>Premix:</b>   |               |                |
| Water  | 37.98         | 4.56           |
| Ethylene glycol monobutyl ether                                    | 34.34         | 4.56           |
| Diethylene glycol monobutyl ether                                  | 18.02         | 2.27           |
| <b>Then add:</b>   |               |                |
| Propylene glycol   | 13.42         | 1.56           |
| Texanol <sup>4</sup>   | 18.07         | 2.29           |
| FoamStar <sup>®</sup> SI 2210 NC                                   | 2.13          | 0.30           |
| Halox Flash <sup>5</sup> X-150                                     | 6.46          | 0.70           |
| BYK <sup>1</sup> -348  | 4.51          | 0.51           |
| <b>Total</b>   | <b>983.19</b> | <b>100.0</b>   |

**Formulation Attributes**

|                     |                              |
|---------------------|------------------------------|
| Solids              | 44.8% by wt, 36.4% by volume |
| Viscosity (Stormer) | 55 KU                        |
| PVC                 | 13% by volume                |
| VOC (calculated)    | < 240 g/l                    |

**Joncryl PRO 1525 FORMULA Auto Refinish 1K Acrylic Primer Surfacer 32007-18**

| <b>Materials</b>                                     | <b>Pounds</b> | <b>Gallons</b> |
|--|---------------|----------------|
| DI Water   | 233.79        | 28.01          |
| Ti-Pure <sup>2</sup> R-900                           | 89.62         | 2.68           |
| FoamStar <sup>®</sup> ST 2446                        | 2.97          | 0.36           |
| Bentone <sup>6</sup> DY CE                           | 3.97          | 0.29           |
| Hubercarb <sup>7</sup> M3                            | 233.79        | 10.34          |
| ASP <sup>®</sup> 200                                 | 31.17         | 1.45           |
| Jetfil <sup>8</sup> 500                              | 62.34         | 2.72           |
| Dispex <sup>®</sup> AA 4144                          | 1.75          | 0.17           |
| <b>High Shear Disperse for 20 minutes. Then add:</b> |               |                |
| Joncryl <sup>®</sup> PRO 1525                        | 313.19        | 35.55          |
| Ethylene glycol monobutyl ether                      | 75.3          | 10.03          |
| Diethylene glycol monobutyl ether                    | 17.9          | 2.26           |
| DI Water   | 45.32         | 5.43           |
| Flash <sup>5</sup> X-150                             | 5.57          | 0.59           |
| Aurasperse <sup>®</sup> II Black W-7016              | 1.11          | 0.11           |
| <b>Total</b>   | <b>1117.8</b> | <b>100.0</b>   |

**Formulation Attributes**

|                        |                              |
|------------------------|------------------------------|
| Solids                 | 50.5% by wt, 33.8% by volume |
| Viscosity (Brookfield) | 1000 cps                     |
| PVC                    | 52% by volume                |
| VOC (calculated)       | 250 g/l                      |

<sup>1</sup>Registered trademark of BYK-Chemie GmbH.<sup>2</sup>Registered trademark of E. I. du Pont de Nemours and Company.<sup>3</sup>Registered trademark of Air Products and Chemicals, Inc.<sup>4</sup>Trademark of Eastman Chemical Company.<sup>5</sup>Registered trademark of ICL Performance Products LP.<sup>6</sup>Registered trademark of Elementis Specialties, Inc.<sup>7</sup>Registered trademark of J.M. Huber Corporation.<sup>8</sup>Registered trademark of Imerys Talc America, Inc.**Safety****General**

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

**Safety Data Sheet**

All safety information is provided in the Safety Data Sheet for Joncryl PRO 1525.

---

## Storage

### General

Please refer to the "Handling and Storage of Polymer Dispersion" brochure.

---

## Important

The descriptions, designs, and data contained herein are presented for your guidance only. Because there are many factors under your control which may affect processing or application/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, OR DATA MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, DATA OR DESIGNS PROVIDED BE PRESUMED TO BE A PART OF OUR TERMS AND CONDITIONS OF SALE.** Further, you expressly understand and agree that the descriptions, designs, and data furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk.

*Joncryl is a registered trademark of BASF Group.*

© BASF Corporation, 2019



BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico.

For more information on Responsible Care, go to:

U.S.: [www.basf.us/responsiblecare\\_usa](http://www.basf.us/responsiblecare_usa)

Canada: [www.basf.us/responsiblecare\\_canada](http://www.basf.us/responsiblecare_canada)

México: [www.basf.us/responsiblecare\\_mexico](http://www.basf.us/responsiblecare_mexico)

### **BASF Corporation**

Dispersions and Resins  
11501 Steele Creek Road  
Charlotte, North Carolina 28273  
Phone: (800) 251 – 0612  
Email: [CustCare-Charlotte@basf.com](mailto:CustCare-Charlotte@basf.com)  
Email: [edtech-info@basf.com](mailto:edtech-info@basf.com)  
[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)