

# Joncryl® OH 8312 NE

## Product Description

Joncryl OH 8312 NE is an APEO-free, crosslinkable emulsion for general industrial and industrial wood applications with formulation capability for high film build application.

## Key Features & Benefits

- OH functional
- Excellent chemical resistance and water resistance
- Gloss build with water-dispersible polyisocyanates
- Low cosolvent demand
- Good scratch and block resistance
- Long pot life (up to 6 hrs)
- Outdoor durability

## Chemical Composition

Hydroxyl-functional styrene-acrylic emulsion

## Properties

### Typical Properties

Appearance		white emulsion
Solids	% by wt	~ 44
pH		~ 8.2
Viscosity at 23°C	cps	~300
Density	g/ml	1.04
MFFT	°C	~ 48
Freeze-thaw stable		No
OH value (calculated on solids)	mg KOH/g	~100
Acid value (calculated on solids)	mg KOH/g	~9

These typical values should not be interpreted as specifications.

## Applications

Joncryl OH 8312 NE is a hydroxyl-functional emulsion that can be crosslinked with aliphatic polyisocyanates for high quality two-pack polyurethane finishes on metal, wood, and concrete. Compatibility of the polyisocyanate used to formulate can affect maximal gloss achievable in the finished formulation. For high gloss, it is recommended to use a compatible product such as Basonat® HW 1180 PC or Basonat HW 2100.

Joncryl OH 8312 NE can be used for industrial coatings applications up to high gloss in both pigmented and clear formulations.

Coatings formulated with Joncryl OH 8312 NE are hard, lightfast, and provide block and chemical resistance.

Joncryl OH 8312 NE is recommended for applications such as:

- Interior and exterior wood coatings for furniture or millwork applications
- General purpose and commercial metal coatings
- Concrete coatings
- Low bake plastic primer (1K or 2K)

## Formulation Guidelines

Joncryl® OH 8312 offers long pot life (up to 6 hours), making it easy to handle during application. In combination with polyisocyanates, this emulsion has good film formation at low temperatures and with lower coalescing solvents compared with other commercially available systems.

Joncryl® OH 8312 provides good block resistance at room temperature for good stackability of the coated panels during production. It has excellent chemical resistance to ammonia, ethanol, coffee, and red wine, as well as good gloss and high durability (scratch resistance).

---

## 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 OH 8312 NE.

---

## Storage

Please refer to the "Handling and Storage of polymer dispersions" 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 and Basonat are registered trademarks of BASF Group.*

© BASF Corporation, 2025



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)