

# Joncryl® 1980

## General

Joncryl® 1980 is a self-crosslinking acrylic emulsion for industrial coating applications.

## Key features & benefits

excellent chemical resistance  
cold check resistance  
low foaming  
good scratch and mar resistance

## Chemical nature

acrylic emulsion

## Properties

### Appearance

translucent emulsion

### Typical characteristics

*(should not be interpreted as specifications)*

non-volatile at 145°C (1g, 60 minutes)	40%
pH @ (25 ± 1) °C	8.5
viscosity at 25°C (Brookfield #2LV, 60 rpm, 30s)	50–250 cps
density at 20°C	1.03 g/mL
MFFT	45°C
freeze-thaw stable (-5°C)	no

## Applications

Joncryl® 1980 is a one-pack, self-crosslinking acrylic emulsion that is non-formaldehyde emitting. A key use is for wood coatings that require resistance to various chemicals. Joncryl® 1980 offers excellent clarity, low foaming, and excellent crack resistance. The chemical resistance of Joncryl® 1980 may allow its use in other applications, such as concrete coatings, specialty hardboard, and plastics.

Joncryl® 1980 is recommended for applications such as interior/exterior concrete applications, interior/exterior wood applications.

## Formulation guidelines

### Slip and Mar

In general, the use of 3%~5% Joncryl® Wax 26 wax emulsion (wax solids on resin solids) will be sufficient to improve slip and mar resistance of the coating. For added slip and mar resistance, a combination of Joncryl® Wax 26 and Hydropalat® WE 3370 can be used.

### Thickeners

Associative thickeners are preferred due to their minimal effect on gloss. Thickeners that offer some pseudoplasticity are useful in preventing sag.

### Coalescent

Decreasing the level of hydrophobic solvents, such as Dowanol<sup>1</sup> DPnB or Dowanol<sup>1</sup> PPh, will hasten hardness development, but may result in lower cold check resistance. Hydrophilic solvents, such as Diethylene glycol monobutyl ether (DB) and Ethylene glycol mono n-butyl ether (EB), may also be used as coalescent, but lower associative thickener efficiency will likely be observed.

<sup>1</sup>Trademark of The Dow Chemical Company.

## Storage

This product should be stored in tightly sealed original package at temperatures above 0°C. This product must be protected from frost for a long time.

For further detailed application information please contact our Technical Support Department.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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