

Technical Data Sheet

EPON™ Resin 8131

Product Description

EPON™ Resin 8131 is a flexibilized, 100 percent reactive, low viscosity epoxy resin for use in various concrete patching/resurfacing, reinforced plastics, adhesives and encapsulating applications.

Sales Specifications

Property	Value	Unit	Test Method
Color	5 max	Gardner	ASTMD1544
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Viscosity at 25°C	11 - 16	P	ASTMD445
Weight per Epoxide	245 - 275	g/eq	ASTMD1652

Typical Properties

Property	Value	Unit	Test Method
Density at 25°C	9.2	lb/gal	ASTMD1475

Processing/How to use

General Information

EPON 8131 is a versatile flexibilizing resin which can be used with all classes of epoxy curing agents in both elevated and room temperature cured systems. EPON 8131 will impart stress relieving characteristics to concrete patching and surfacing compounds subjected to thermal cycling. Such binders will contribute good trowelling characteristics to patching and overlay mortars filled with properly graded sand. These mortars are particularly useful for exterior concrete repair and surfacing operations.

Other uses for EPON 8131 include flexibilized flooring systems, high burst strength reinforced plastic pipes and pipe fittings, high impact strength tooling compounds, adhesives with improved peel strength and thermal shock resistant electrical encapsulating compounds. EPON 8131 can be blended with EPON 828 to obtain a lower degree of flexibility where desirable.

Table 1 illustrates the cured state properties of EPON Resin 8131 when combined with various curing agents.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion web site for Shelf Life and recommended Storage information.

EPON Resin 8131 should be stored in tightly sealed containers, in a dry location at normal room temperature. Some epoxy materials can crystallize during storage. The tendency to do so is affected by storage conditions, composition, and other factors. Should crystallization occur, it may be converted to liquid by opening the drum bung and gently warming to temperatures not to exceed 50 °C (122 °F).

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

EPON Resin 8131
<https://www.hexion.com/en-US/product/epon-resin-8131>

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Packaging

Available in bulk and drum quantities.

Contact Information

For product prices, availability, or order placement, please contact customer service:

www.hexion.com/Contacts/

For literature and technical assistance, visit our website at www.hexion.com

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