

HyPox[®] UA I I

Thermoplastic Urethane Toughened-BADGE
CAS No. 25068-38-6/74398-71-3

DESCRIPTION

HyPox UA I I is a standard bis-A epoxy resin system toughened with a thermoplastic polyurethane (TPU). HyPox UA I I was designed to provide adhesion to vinyl at a lower viscosity than HyPox UA I 0. Curing agent selection, to obtain adhesion to vinyl, is important. CVC recommends evaluating polyamides and amidoamines for this application. Choose your curing agent based on viscosity and pot life considerations. For very difficult to bond surfaces, the addition of from 1 to 5 phr M-Pyrol to your formulation is suggested. The solvent will help “bite into” the vinyl surface and will reduce the viscosity of your formulation.

HyPox UA I I can also be used as a resin that will help to flexibilize and toughen formulations.

APPLICATIONS

- Adhesives for PVC including sports surfaces
- Toughening or flexibilizing bis-A epoxy formulations
- Improvement of peel strength
- Improvement of thermal shock resistance

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25 °C, cps	35,000
Epoxide Equivalent Weight, g/eq	215
Gardner Color, max	2 (off hue)
Weight per Gallon, @ 25 °C, lb.	9.56 ± 0.1
TPU Content, %	5

PACKAGING & AVAILABILITY

HyPox UA11 is available in 55 gal. open head steel non-returnable drums (450 lb. net) and 5 gal. plastic pails (45 lb. net).

HEALTH & SAFETY PRECAUTIONS

HyPox UA11 is not a primary skin irritant and sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Rubber gloves, full eye protection, and protective clothing are recommended.

Refer to the Safety Data Sheet on HyPox UA11 for additional safety and handling information. The MSDS is revised as new data becomes available.

DISCLAIMER

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained there from. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions, and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. CVC Thermoset Specialties shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond CVC's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

CVC Thermoset Specialties
844 North Lenola Road / Moorestown, NJ 08057
Phone: 856-533-3000 / Fax: 856-533-3003 / www.cvcthermoset.com

 **CVC Thermoset
Specialties**
An Emerald Performance Materials® Company