

TECHNICAL DATASHEET

Eracoat 614 is a single-pack, moisture cured polyurethane topcoat and bonding agent based on an aromatic prepolymer. **Eracoat 614** is the uncatalysed version of **Eracoat 615**, which is recommended for winter temperatures where the cure time needs to be faster. The product is characterised by exceptional toughness and good flexibility. The rate of cure is influenced more by ambient humidity and film thickness than temperature. Adhesion to most sound, suitably prepared surfaces is good and inter-coat times should not exceed 12 hours. As the product is based on an aromatic isocyanate, it will yellow and weather upon exposure to sunlight.

Uses

Eracoat 614 is mainly used as a tough flexible topcoat and bonding agent.

Product Specification

Solid Content (%m/m)	48 - 53
Flash Point (°C)	27

Physical Properties

Properties presented below are to be used as a guide and not intended for specification purposes.

		Eracoat 614
Application Temperature	(°C)	5 – 35
Application Humidity	(%RH)	30 - 80
Coverage	(m ² /kg)	7 - 10
Full Cure	(days)	7
Maximum Service Temperature	(°C)	80
Chemical Resistance		Mild acids, alkalies, fuel oils and salt solution
Elongation	(%)	10

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

Surface Preparation

All surfaces must be clean dry and sound during application. Remove all loose material and ensure that there is no contamination by oils, greases, curing compounds etc. Blasts clean steel surfaces to at least SA 2.5 and apply a coat of a suitable anti-corrosive primer.

Application

Eracoat 614 can be applied with a brush, roller or spray. Maximum open time is 4 hours. Any casting must be done while tacky, within 4 hours.

Cleaning

Clean all equipment immediately after use. Once the coating has polymerised it may only be removed mechanically.

Packaging

Standard packs consist of 5kg tins and 25kg plastic containers.

Safety

Eracoat 614 is flammable and contains volatile organic solvents.

Remove all ignition sources from the working area and ensure adequate ventilation. Contact with skin and eyes should be avoided by wearing protective clothing including safety goggles, gloves and overalls. Take care when opening sealed containers as the contents may be under pressure.

Please consult the MSDS.

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