

DE-300

CLEAR EPOXY SYSTEM

DESCRIPTION:

Danlaid DE-300 Clear Resin is a high gloss, low viscosity, solvent free epoxy resin system designed for application in two coats, as a clear hard wearing surface primarily over vinyl flake flooring. Integrating the latest technology of cycloaliphatic epoxies and UV stabilizers, DE-300 Clear Resin is resistant to ultra violet degradation, for internal behind window glass applications. Containing no solvents, and obtaining high film build in two applications, DE-300 Clear Resin offers a safe alternative to conventional solvent based materials.

APPLICATION:

DE-300 Clear Resin may be applied by brush or roller. Application rate is 6 – 7 sqm/ litre, giving a dry film thickness of 150 microns per coat. Part A should be mixed thoroughly before use to ensure dispersion of the UV stabilizers. Part B is then added and mixed for a further 3 minutes, ensuring not to entrain air.

APPLICATION PRECAUTIONS:

DE-300 Clear Resin should not be applied to surfaces subject to rising damp. The product should not be specified for external or in direct (not screened by glass) application, as prolonged UV exposure will cause yellowing and oxidizing of the surface. Danlaid DE-300 is not chemically resistant to food acids or hot chicken fat in processing areas. High atmospheric humidity or drops in 4 °c temperature around dew point may result in condensation on the uncured film causing changes in the film surface. This is commonly known as whitening or blooming. This effect may cause loss of intercoat adhesion. In these conditions good adhesion may be obtained by re-roughening the surface.

TECHNICAL DATA:

Performance Properties 20 °c (unfilled)	Danlaid DE 300 Part B
Mixing Ratio Resin to Hardener by Volume	2 Parts A to 1 Part B
Pot Life	30 – 60 mins
Cure Time Foot Traffic	24 hrs
Cure Time Full Service	5 days
Flexural Properties ASTM D790-90 Modulus	1800 MPa
Strength	55 MPa
Compression to ASTM D695-91 Modulus	1000 MPa
Strength	50 MPa
Application Temperature (substrate and air)	15 °c to 35 °c

Date of printing: April 14, 2005 supersedes all previous issues.

IMPORTANT NOTE:

The specification listed above is given to the best of our knowledge, however, it is given without any warranty expressed or implied. The specification is subject to change without notice. Consult **QUALITY CONTROL REPORT** available for each Batch for actual results. Consult **MATERIAL SAFETY DATA SHEET** for handling of material.

for further information please contact:

DANLAID CONTRACTING

43 De Havilland Rd
Mordialloc, VIC, 3195
Ph: (03) 8514 6300
Fax: (03) 8514 6310

email: sales@danlaid.com.au
web: www.danlaid.com.au



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