

CATALYST 43**Room Temperature Gel with High Temperature Performance****Description :**

CATALYST 43 is a unique epoxy hardener which features excellent high temperature performance when used to cure many STYCAST potting and encapsulating compounds. Epoxy systems containing CATALYST 43 may be cured for 16-24 hours at room temperature and feature a rigid, infusible solid. Excellent Chemical resistance. Catalyst 43 may be used as a non staining alternative to Catalyst 11.

Optimum high temperature performance up to 205°C can be achieved using additional post cure at elevated temperatures.

Properties**Test Methods****Limits**

Colour		Amber
Viscosity (Pa.s)	ASTM-D-2393	0,040 - 0,065
Density (g/cm ³)	ASTM-D-792	0,9 - 1,1
Chemical Composition	Imidazole/aliphatic amine	

Instructions For Use :

1. All parts to be encapsulated should be clean and free of grease, dirt or other chemical contaminants.
2. Mix the STYCAST casting resin thoroughly in its shipping container prior to use.
3. The following guidelines should be followed when using Catalyst 43. Use 0,75 times the amount of CATALYST 9 specified on the appropriate STYCAST data sheet. For additional resin/catalyst mix ratio contact your local sales office.
4. Mix thoroughly.
5. If entrapped air is a problem, the mixed material may be evacuated prior to use. Evacuate at a pressure of 1-5 mm of mercury. The foam will rise, and then subside. Continued evacuation for approximately 5 minutes until most of the bubbling has ceased.
6. Pour into mould or cavity.
7. For optimum properties cure for 16-24 hours at 65°C and 2-4 hours at 150°C. Shorter times or lower temperatures may be satisfactory for particular applications.
8. Room temperature cure is possible.
9. Pot life is 40 minutes.

Storage Conditions :

Shelf life of this product is 1 year when stored in unopened containers. Store in sealed containers, protected from humidity, at a room temperature.

Safety Considerations :

It is recommended to consult the Henkel product literature, including material safety data sheets, prior to using Henkel products. Contact sales@hitek-ltd.co.uk

(STYCAST[®] is a registered trademark of Henkel) 0519s/1094/jg

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