

# B & R PRODUCTS (PTY) LTD

*Supreme Paint Suppliers (Pty) Ltd*

Reg. No. 80/09849/07

**Manufacturers and Distributors of Top Quality Paints and Solvents**

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## PRODUCT DATA SHEET EPOXY 4:1 ENAMEL

<b><u>PRODUCT NAME:</u></b>	EPOXY 4:1 ENAMEL
<b><u>PRODUCT BRAND:</u></b>	SUPREME
<b><u>FINISH:</u></b>	HIGH GLOSS
<b><u>COLOURS:</u></b>	LIGHT GREY, GREEN & CLEAR
<b><u>VEHICLE TYPE:</u></b>	EPOXY POLYAMIDE
<b><u>PIGMENT TYPE:</u></b>	INORGANIC AND ORGANIC SYNTHETICS
<b><u>SOLVENT TYPE:</u></b>	AROMATIC HYDROCARBONS, ALCOHOLS AND GLYCOL ETHER
<b><u>FLASH POINT MIN:</u></b>	21°C
<b><u>SPECIFIC GRAVITY:</u></b>	1.200 – 1.250 AT 25°C MIXED
<b><u>SOLIDS CONTENT:</u></b>	55 – 60% BY WEIGHT MIXED
<b><u>MIXING RATIO:</u></b>	4:1 BY VOLUME BASE : HARDENER
<b><u>THINNING RATIO:</u></b>	25 – 30% BY VOLUME FOR CONVENTIONAL SPRAY
<b><u>THINNER:</u></b>	EPOXY POLYAMIDE THINNERS
<b><u>POT LIFE:</u></b>	8 HOURS AT 25°C
<b><u>COVERAGE AT DFT 30 MICRONS:</u></b>	4-5 SQUARE METRES PER LITRE
<b><u>RECOMMENDED DRY FILM/ COAT THICKNESS:</u></b>	25 – 30 MICRONS
<b><u>BASE VISCOSITY AT 25°C:</u></b>	600 – 650 CPU
<b><u>DRYING TIME:</u></b>	SURFACE: 2 HOUR HARD: 8 HOURS OVERCOAT PERIOD: 24 HOURS
<b><u>APPLICATION:</u></b>	BRUSH, ROLLER OR SPRAY
<b><u>APPLICATION VISCOSITY:</u></b>	BRUSH OR ROLLER – USE AS IS, MIXED WITH HARDENER. SPRAY – 18 – 20" FC4
<b><u>GLOSS:</u></b>	75 – 80% ON 60°
<b><u>FINENESS OF GRIND:</u></b>	5 MICRONS

### **DESCRIPTION & GENERAL USE:**

A high quality two-pack general purpose epoxy coating for use where a relatively high resistance to chemicals is required; such as on workshop floors, fuel tanks, etc.  
Clean all equipment immediately after use with epoxy thinners

## PREPERATION FOR EPOXY COATING

If the floor to be painted has been painted before, check that the old paint is in good condition and not lifting. If paint is not in good condition, it must be removed with an industrial sander or paint remover before application. One should also do a small test sample to check that the epoxy does not attack and lift up the old paint if the two are not compatible.

All grease and oil must also be completely removed using either an industrial degreaser or a 50:50 solution of pool acid and water to etch into the floor. Once dried, all loose concrete and dust must be removed. It is also recommended that this be done for new floors too.

It is very important that the floor is correctly prepared as this will determine how long the epoxy will last. One must also check if there are other contaminants such as silicone on the floor as this would affect the adhesion and a small sample batch is recommended.

The mixing ration of the epoxy is 4 parts epoxy to 1 part catalyst. The catalyst must be thoroughly mixed into the epoxy. The simplest application is to get a cheap roller and attach a broom stick to the handle. Then put some epoxy on the floor and spread generously. Only one generous coat is necessary and you should get a spread rate of about four square meters per litre.

You can clean the equipment with epoxy thinners but it is recommended the roller be thrown out after. The epoxy can not be left for extended periods in the can as it will cure.

Very important is that **the same batch number must be used for the entire job**. There are colour variations from batch to batch.