



**TDS 6.3**  
**WARRIOR EPOXY 4:1 ENAMEL**

**DESCRIPTION:**

Warrior Epoxy 4:1 Enamel is a high quality two-pack general purpose epoxy-polyamide coating with a gloss finish.

**USES:**

Warrior Epoxy 4:1 Enamel is used to coat concrete floors in high traffic areas such as workshop floors and garages. It is hard wearing and has a relatively high resistance to chemicals.

**SPECIFICATION OR RECOMMENDED PAINT SYSTEM:**

**NEW FLOORS**

- a) Acid-etch with Warrior Spirits of Salts as per specification. Leave for 15-20 minutes to react on floor and then wash thoroughly with plenty of water to neutralise and remove all traces of acid on the surface. Allow floor to dry for 24 hours minimum.
- b) Apply one coat of Warrior Epoxy Enamel thinned 15% by volume with Warrior Epoxy Thinners. Allow to dry overnight. This acts as the primer/sealer as it penetrates into the concrete surface.
- c) Finish off with two full coats of Warrior Epoxy Enamel unthinned allowing 16 hours between coats.

**NOTE:**

Curing times at low temperatures are longer. Full chemical cure can take up to 7 days.

**OLD FLOORS**

- a) Remove all old and flaking paint by chemical stripping or mechanical sanding.
- b) Clean with a degreasing liquid to remove all traces of oil, grease, dirt and other contaminants. Heavily stained or oil soaked floors may require repeated applications of degreaser or in severe cases re-screeding may be required prior to any paint application. Areas newly screeded should be treated as new concrete and allowed to dry.
- c) Wash thoroughly and then proceed as for new floors. Note: Acid-etch is still required.

**PROPERTIES:**

APPLICATION:	Brush, Roller, or spray
CLEANING SOLVENT:	Warrior Epoxy Thinners
THINNING SOLVENT:	Warrior Epoxy Thinners
POT LIFE:	8 hours @ 25°C
MIXING RATIO:	Mix 4 parts Base to 1 part Curing Agent
APPLICATION VISCOSITY:	Brush or Roller use unthinned Spray – 20-25 seconds F4 or thin 10-15% with epoxy thinners to spraying viscosity
SPREADING RATE:	PRIMER COAT: 6-8 m <sup>2</sup> per litre TOP COATS: 8-10 m <sup>2</sup> per litre
DRYING TIMES:	SURFACE DRY: 1 hour TOUCH DRY: 8 hours OVERCOATING: 16 hours
PACK SIZE:	5L (4L base & 1L curing agent)
COLOUR RANGE:	Grey
SPECIFIC GRAVITY:	1, 2 ± 0, 05 mixed
NON VOLATILE (%):	55-60% mixed
FLASH POINT:	>9°C
FINISH:	High Gloss



**GENERAL INFORMATION:**

- a) Allow a standing time of 15-20 minutes after mixing base with curing agent. Mix again thoroughly after standing time. Use within 8 hours of combining base and curing agent.
- b) As per standard painting practices, no painting should take place if surface or ambient temperatures are below 10°C or above 30°C. Painting should cease at 3pm or when rain is imminent.

**DISCLAIMER**

The recommendations contained herein are given in good faith and are meant as a guide for specifiers and users. They are based on laboratory tests and practical historical experience. No guarantee or warranty is implied by the recommendations contained in the Technical Data Sheet as conditions of use, application method, cleanliness and soundness of the substrate are beyond our control.

N.B. Technology may change with time necessitating changes to the Technical Data Sheet (TDS). It is the specifiers and users responsibility to ascertain that the latest TDS is being used.

---

WARRIOR PAINTS AND COATINGS (PTY) LTD (REG NO. 1987/003946/07)  
45 FRANS DU TOIT STREET  
P O BOX 911-1181  
ROSSLYN 0200  
SOUTH AFRICA

HELP DESK  
EMAIL: [info@warriorpaints.co.za](mailto:info@warriorpaints.co.za)  
TEL: +27 12 5413596  
FAX: +27 12 541 1434  
[www.warriorpaints.co.za](http://www.warriorpaints.co.za)