

# PRODUCT DATA SHEET

Long term corrosion protection by Denso

## DENSO S.T. EPOXY

### Surface Tolerant Epoxy Glassflake (Steelcoat 700)

#### Description

Denso S.T. Epoxy is an unrivalled Glassflake filled epoxy, designed to protect steel structures, pipelines & concrete with minimum surface preparation.

Suitable for use with potable water.

#### Features

- ▶ Approved for use with potable water - SABS 1217
- ▶ Excellent corrosion resistance
- ▶ V.O.C. compliant
- ▶ Minimum surface preparation to St2
- ▶ Gritblasting not essential
- ▶ Good flexibility
- ▶ Bonds to: Old paint  
Light rust  
Damp surfaces  
Oily surfaces
- ▶ Easy application by: Brush  
Roller  
Spray
- ▶ Excellent resistance to: Salt water  
Solvents  
Dilute acids
- ▶ Excellent abrasion resistance.

#### Preparation

Remove salt contamination with fresh water. Mechanically clean to St2. Sound old coatings may be left on.

/2....  
(ST Epoxy)

The information on this sheet is intended as a general guide only and should not be used for specification purposes. We believe the information to be accurate and reliable but do not guarantee it. We assume no responsibility for the use of this information. Users must, by their own tests, determine the suitability of the products and information supplied by us for their own particular purposes. No patent liability can be assumed. In view of the constant research and development being undertaken in our laboratories, we advise customers in their own interests to ensure that this data sheet has not been superseded by a more up to date publication. All products are sold subject to the Standard Condition of Sale, copies of which are available on request.

# DENSO S.T. EPOXY

## Surface Tolerant Epoxy Glassflake (Steelcoat 700)

<b>Typical Properties</b>	Mixing Ratio Base-Curing agent:	6:1 (by volume)		
	Induction Time:	10 minutes		
	Flash Point:	35°C ± 2		
	Solids (% volume):	85% ± 2		
	Coverage	Theoretical:	5.0 - 2.5 m <sup>2</sup> / ℓ	
		Typical:	4.0 m <sup>2</sup> / ℓ	
	Film thickness:	Theoretical:	Wet: 200-400μ	Dry: 170-340μ
		Typical:	Wet: 250	Dry: 210
	Specific Gravity:	1.5		
	Application Temperature:	+5°C to 40°C		
	Service Temperature:	-40°C to +80°C		
	Overcoating times:	15°C - 20 hrs min		
		30°C - 6 hrs min		
	Full Cure:	25°C - 7 days		
	Pot Life:	2½ hrs @ 20°C		
	Cleaning Solvent:	Denso Epoxy Thinners		
	Storage Temperature:	+5°C - 25°C		
	Shelf Life:	24 months		
	Application by Airless Spray:			
	Nozzle Pressure:	15 - 20 Mpa		
Tip Size:	0.8 - 1.1 mm			
Spray Angle:	40 - 80°			
Filter	Remove all filters			
Packaging :	5 ℓ	4.28ℓ Base - 0.714ℓ Curing Agent		
	20 ℓ	17.5ℓ Base - 2.85ℓ Curing Agent		
Colours:	White, Grey, Red, Aluminium			

<b>Typical Paint System:</b>	1 x 200μ DFT	- Denso S.T. Epoxy - Different colours
	1 x Stripe Coat	- Denso S.T. Epoxy - Different colours
	1 x 200μ DFT	- Denso S.T. Epoxy - Different colours
	1 x 50μ DFT	- Weathershield (for exterior use)

**Safety** Read instructions on container. Avoid skin contact, do not inhale vapours.

Skin: Wash well with soap and water.

Eyes: Flush with water & immediately seek medical attention.

**Storage:** Store in original containers in a cool, dry place.  
Recommended shelf life: 6 months



LEADERS IN CORROSION PREVENTION  
AND SEALING TECHNOLOGY

(ST Epoxy)

FOR FURTHER INFORMATION PLEASE CONTACT YOUR NEAREST DENSO DEALER

Natal (H/O)	Tel:	031 569-4319	Fax:	031 569-4328
Gauteng		011 674-5412		011 674-3956
Cape		021 557-0257		021 556-1140
E. Cape		041 451-0818		041 451-0814
Namibia		09264 61 219606		09264 61 219616
E-Mail / Website:		<a href="mailto:bid@denso.co.za">bid@denso.co.za</a>		<a href="http://www.denso.co.za">www.denso.co.za</a>