

### DESCRIPTION

Denso S.T. Epoxy is an unrivalled Glassflake filled Surface Tolerant Epoxy Mastic designed as a high performance corrosion prevention coating for aggressive environments without the need for grit blasting. The product is also certified for use in contact with potable water which makes it ideal for the interior lining of tanks, pipelines, pumps & valves.

### PRINCIPAL CHARACTERISTICS

- \* Adhesion: Excellent to both dry blasted, wet blasted & manually prepared surfaces.
- \*Abrasion: Excellent – The incorporation of micro-glass flakes gives Denso S.T. outstanding resistance to abrasion & mechanical damage.  
Scratch test ISO 1518 1992 (E) >4kg
- \*Corrosion: Excellent long term corrosion prevention in extremely corrosive environments.
- \* Chemical Resistance: Resistant to dilute acids & alkalies, petroleum products & aliphatic solvents.
- \* Temperature Resistance: Wet - 52°C max  
Dry - 85°C max
- \*Repairability: Bonds well to abraded paint Surfaces

### SURFACE PREPARATION

Pretreatment: Remove soluble salts, oil, grease & dirt.  
New Steel: Grit blast to Sa2½ (ISO8501:1988)  
Maintenance: Where grit blasting is not possible mechanically clean to St2  
Concrete: Remove dirt & laitance  
Apply a penetrating primer

### PACKAGING

5L (4.28L Base – 0.714L Curing Agent)  
20L (17.15L Base – 2.85L Curing Agent)

### HEALTH & SAFETY

Please read instructions on container. Avoid Skin contact and do not inhale vapours.  
SKIN: Wash well with soap & water  
EYES: Flush with water & immediately seek medical attention.  
Read Safety Data Sheet.

**NOTE:** Spread rates are theoretical and normal allowances must be made for wastage, over-spray, etc. Denso in no way whatsoever can be held accountable for actual over usage of material.

The information contained in this Data Sheet is to the best of our knowledge true and accurate, but since the conditions of use are not under our control, no warranty is given or is to be implied in respect of such information or in respect of any recommendations or suggestions which may be made. In view of 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undertaken in our laboratories we advise customers in their own interests to ensure that this data sheet has not been superseded by a more up to date publication.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 our Standard Conditions of Sale, copies of which are available on request.

<u>SYSTEM STEELCOAT 700</u>	<u>SURFACE TOLERANT EPOXY GLASS FLAKE</u>
Operating temp. Range	-40°C to +80°C
Application Temperature	+5°C to +40°C
Colours	White, Grey, Red, Blue
Solids (% Volume)	85% +/-2
Specific Gravity	1.5
Flash Point	35°C +/-2
Flexibility	Good
Mixing Ratio	6:1 (By volume)
Induction Time	10 minutes
Pot Life	2½ hours @ 20°C
Overcoating times	15°C – 20hrs minimum 30°C – 6hrs minimum
Full Cure	7 days @ 25°C
Cleaning Solvent	Denso Epoxy Thinners
Storage Temperature	+ 5°C to 25°C
Shelf Life	12 months

<u>APPLICATION BY AIRLESS SPRAY, BRUSH</u>	
Nozzle Pressure	15 - 20 Mpa
Tip Size	0,8mm - 1.1 mm
Spray angle	40 - 80°
Filter	Remove all filters

<u>Theoretical Spread Rate</u>	<u>Film Thickness (microns)</u>		
	<u>M<sup>2</sup> / l</u>	<u>Wet</u>	<u>Dry</u>
Range	5 - 2	200 - 500	170 - 425
Typical	3.4	295	250

<u>TYPICAL LINING SYSTEM</u>		
<b>1 x 250µ DFT</b>	<b>DENSO S.T. EPOXY</b>	<b>Different Colours</b>
<b>1 x STRIPE COAT</b>	<b>DENSO S.T. EPOXY</b>	<b>Different Colours</b>
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