

**DENSO ST HEAVY DUTY EPOXY**
(Surface Tolerant Epoxy Glassflake)Potable Water Product
Complies to: SABS 1211 AS/NZC 4020:1999**DESCRIPTION**

Denso S.T. Heavy Duty Epoxy is an unrivalled Glass flake filled Surface Tolerant Epoxy Mastic containing 10% extra glass flake compared to the standard Denso St and is designed as a high performance abrasion resistant 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 & alkalis, 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.

SYSTEM STEELCOAT 700	SURFACE TOLERANT EPOXY GLASS FLAKE
Operating temp. Range	-40°C to +80°C
Application Temperature	+5°C to +40°C
Colours	White, Grey, Red, Blue
Solids (% Volume)	87% +/-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

APPLICATION BY AIRLESS SPRAY, BRUSH

Nozzle Pressure	15 - 20 Mpa
Tip Size	0,8mm - 1.1 mm
Spray angle	40 - 80°
Filter	Remove all filters

	Theoretical Spread Rate		Film Thickness (microns)	
	M² / l		Wet	Dry
Range	5 - 2		200 - 500	170 - 425
Typical	3.4		295	250

TYPICAL LINING SYSTEM

1 x 250µ DFT	DENSO S.T. HEAVY DUTY EPOXY	Different Colours
1 x STRIPE COAT	DENSO S.T. HEAVY DUTY EPOXY	Different Colours
1 x 250µ DFT	DENSO S.T. HEAVY DUTY EPOXY	Different Colours