

**DESCRIPTION**

HEATSHIELD 250 is a 2-component silicon based vinyl ester designed to be sprayed on to hot surfaces for maximum corrosion protection.

**PRACTICAL USES**

A spray applied coating for application to on-line process plant & equipment prior to re-insulation. Used successfully in power plants, refineries, petro-chemical plants, steam pipes and valves.

**PERFORMANCE & DURABILITY**

- ❖ Long working pot life
- ❖ Instant drying at high temperatures
- ❖ Easy application
- ❖ Conventional spray equipment
- ❖ Excellent abrasion resistance
- ❖ Excellent chemical resistance
  
- ❖ Excellent corrosion resistance
- ❖ Excellent undercutting resistance

**\*Practical Spread Rates**

The above practical spread rates only allow for nominal wastage which occurs during application of the products. The appropriate wastage allowance must be made by the applicator depending on the site circumstances (e.g. Method of application, overspray, etc.). Denso SA cannot be held responsible for any excess usage by the applicator for whatsoever reason.

**COLOUR**

: Black

**VOLUME SOLIDS**

: 99%

**POT LIFE @ 20°C**

: 60 MINUTES

**APPLICATION METHOD**

: CONVENTIONAL OR AIRLESS SPRAY

**COATING THICKNESS**

: 2 X 100µ

**PRACTICAL SPREAD RATE**

8m<sup>2</sup> / ℓ / COAT

**OVERCOATING TIME**

: 5 MINUTES - 1 HOUR ABOVE 100°C

**CURE TIME @ 100°C**

: HARD DRY : 5 MINUTES  
FULL CURE : 5 HOURS

**SUBSTRATE TEMPERATURE**

: MIN : 100°C  
MAX : 250°C

**FLASH POINT**

: 31°C

**DENSITY**

: 1,12 gms/liter

**STORAGE TEMPERATURE**

: 10°C - 20°C

**OPERATING TEMPERATURE**

: -30°C - +250°C

**SHELF LIFE @20°C**

: 6 MONTHS

**CHEMICAL RESISTANCE**

: EXTENSIVE

**SAFETY**

**ENSURE SPRAY NOZZLES ARE EARTHED WHEN APPLYING TO HOT, ON-LINE EQUIPMENT.**

**INSTRUCTIONS**

SURFACE PREPARATION : GRITBLAST TO Sa2½ (ISO 8501-1 : 1988)

MIXING : ADD 1% C3 CATALYST AND MIX THOROUGHLY USING A MECHANICAL MIXER.

APPLICATION : APPLY BY CONVENTIONAL OR AIRLESS SPRAY.

OVERCOATING : AS THE COATING GELS ALMOST INSTANTLY AT 100 – 250°C, OVERCOATING MUST BE APPLIED BETWEEN 5 MINUTES AND 1 HOUR.

CLEANING EQUIPMENT : CLEAN ALL EQUIPMENT IMMEDIATELY AFTER USE WITH ARCHCO WATER SOLUBLE CLEANER.

**TOXICITY**

ALTHOUGH ARCHCO RESINS ARE RELATIVELY NON-TOXIC, IT IS RECOMMENDED THAT THE NORMAL PRECAUTIONS IN DEALING WITH CONVENTIONAL RESIN SYSTEMS ARE ADHERED TO. HEAT SHIELD 250 CONTAINS STYRENE (SEE SAFETY DATA SHEET).