

## 561 Thermal Barrier

High build solvent free low emissivity coating.  
Developed to reduce heat transfer from substrate.  
Reduces risk of skin burns/condensation.

### Cure Times

At 20°C (68°F) the product will have the following cure times

Usable Life	90mins
Movement w/o load	12 Hrs
Light loading	24 hrs
Full loading	3 days
Chemical contact	10 days

### Coverage Rates

13 ltrs (3.4 US gallons) of fully mixed product will give the following coverage rates:-

52m² at 250 microns	560ft² at 10mil
26m² at 500 microns	280ft² at 20mil
17m² at 750 microns	182ft² at 30mil
13m² at 1mm	140ft² at 40mil

### Surface Preparation

All oil and grease must be removed from the surface of the repair using an appropriate cleaner such as MEK.

For optimum performance, the surface should be abrasive blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** and a minimum blast profile of 75 microns (3mil) using an angular abrasive. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material. All surfaces must be coated before gingering or oxidation occurs.

Where abrasive blast cleaning is not possible (excluding salt contaminated surfaces) the surface should be roughened by MBX, needle gun or grinding. Under these conditions adhesion levels will not be optimal although still satisfactory for most applications.

### Colour

#### Mixed material –

Aluminium coloured paste

#### Base component –

Aluminium coloured

#### Activator component –

Clear amber liquid

### Typical Applications

Process vessels  
Tanks  
Pipelines

### Technical specifications and characteristics

Mixing ratios	By weight	2.55:1
	By volume	5.5:1

Volume capacity	Metric	1.85 litres/Kg
	Imperial	112.9 cu In/lb

### Over-coating times

**Minimum** – As soon as touch dry  
**Maximum** – 24 hours

(Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination)

### Mixing and Application

#### STEP 1

Ensure you have 1 x base unit, 1 x activator unit, 1 spatula and a slow speed drill and paddle mixer.



#### STEP 2

Open the activator tin and pour 1 third of the contents into the base unit, stir with mixer



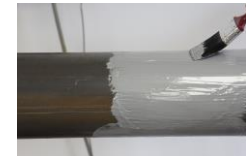
#### STEP 3

Add the rest of the contents of The activator tin and mix until fully incorporated and free of streaks.



#### STEP 4

Apply the mixed material to the Prepared surface with a brush or Squeegee. Allow to cure until Touch dry.



#### STEP 5

Repeat process with further coats until recommended dry film Thickness is achieved.

