Quick application guide

resimac Ltd.

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 (68F°) 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

Colour

Mixed material –
Aluminium coloured paste
Base component –
Aluminium coloured
Activator component –
Clear amber liquid

Typical Applications

Process vessels
Tanks
Pipelines

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.

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)

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

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. Heat base component to 40-45°C

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
Feed material into single leg airles Spray unit (minimum 60:1). Unit Must have heated/insulated produ Line to maintain 40-45°C product Temperature.

STEP 5
Spray onto surface using 3500+ps And 0.021 to 0.025 inches tip size. Maximum wet film thickness will Depend on substrate temperature. Where required, allow 561 to cure Until touch dry and overcoat.

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