

**SIGMATHERM SUPER THERMOVIT 600 FINISH****7567**

a two page issue

January 2002  
revision of 10-2001**DESCRIPTION**

two component heat resisting silicone finish

**PRINCIPAL CHARACTERISTICS**

- heat resistant up to 600°C
- to be used as finish for the internal and external protection of steel surfaces
- good weather resistance
- should preferably be applied by spray

**COLOURS AND GLOSS**

aluminium - gloss

**BASIC DATA AT 20°C**(1 g/cm<sup>3</sup> = 8.25 lb/US gal; 1 m<sup>2</sup>/l = 40.7 ft<sup>2</sup>/US gal)

Mass density

approx. 1.1 g/cm<sup>3</sup>

Solids content

approx. 37% by volume

VOC (supplied)

max. 4.5 lb/gal - 544 g/l

Recommended dry film thickness

20 µm

Theoretical spreading rate

18.5 m<sup>2</sup>/l for 20 µm

Touch dry after

1 hour at 20°C

Curing

it is necessary to post cure by gradually and slowly elevating the temperature of the substrate up to 250°C for minimum 2 hours after touch dry

Overcoating interval

min. 24 hours  
max. 7 days

Shelf life (cool and dry place)

at least 6 months

Flash point

&lt;21°C

**RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES**

- suitable primer (e.g. Sigmatherm super thermovit 600 primer)
- substrate temperature should be at least 3°C above dew point

**INSTRUCTIONS FOR USE**

mixing ratio by volume: base to aluminium paste 85 : 15

power agitate to uniform consistency

Induction time

none

Pot life at 20°C

48 hours



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**AIR SPRAY**

Recommended thinner	no thinner to be added
Nozzle orifice	1.5 - 2 mm
Nozzle pressure	0.3 - 0.4 MPa (= approx. 3 - 4 bar; 43 - 57 p.s.i.)

**BRUSH/ROLLER** for touch up and spot repair only

**CLEANING SOLVENT** Sigma thinner 21-06 (flash point 25°C)

**SAFETY PRECAUTIONS** see safety sheets 1430, 1431 and relevant material safety data sheet

this is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes

**Worldwide availability** Whilst it is always the aim of Sigma Coatings to supply the same product on a worldwide basis, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

**REFERENCES**

Explanation to product data sheets	see information sheet	1411
Safety indications	see information sheet	1430
Safety in confined spaces and health safety		
Explosion hazard - toxic hazard	see information sheet	1431
Cleaning of steel and removal of rust	see information sheet	1490

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