

TECHNICAL DATA SHEET

D552 THERMOCOTE 700

V1-05/05/2026

DESCRIPTION

D552 is a two-pack silicone resin-based heat-resistant coating.

PROPERTIES

- Excellent heat resistance (up to 700°C)
- Excellent weather resistance
- Excellent application workability

RECOMMENDED AREAS FOR USE

Boilers, cylinders of engine, inside of exhaust pipes, radiators, oil burners, ovens, furnaces, pipelines and incinerators.

SURFACE PREPARATION

All surfaces must be clean, dry, mechanically sound and free of oil, grease, dirt & dust.

COLOUR	: Silver
Nº. OF COMPONENTS	: 2
MIXING RATIO (WEIGHT)	: 100 : 1
CONSISTENCY	: Liquid
VOLUME SOLIDS	: 28%
MIXED DENSITY	: 1.08
FLASH POINT	: Base: 22.3°C ; Act: 38.3°C
SPREAD RATES	: 14m ² /ℓ
DRY FILM THICKNESS	: 20µm per coat
POT LIFE @ 20°C	: 24hrs
TOUCH DRY @ 20°C, 20µm DFT	: 30min
HARD DRY @ 20°C, 20µm DFT	: 3hrs
OVERCOATING @ 20°C, 20µm DFT	: Min: 16hrs
SUBSTRATE TEMPERATURE	: +10°C to +40°C
APPLICATION METHOD	: Airless Spray, Brush
OPERATING TEMPERATURE	: 0°C to +700°C
THINNING	: D708 Flow Agent
VOC	: 647g/ℓ
RECOMMENDED NO. OF COATS	: 2
SHELF LIFE	: 12 months
PACK SIZE	: Base: 5ℓ ; Act: 56g

APPLICATION

Agitate the base with a power mixer until it is turned homogeneous, then add the curing accelerator to the base and mix thoroughly. If needed, then add the appropriate thinner and mix thoroughly.

Application Conditions:

Minimum Substrate Temperature: 10°C
Maximum Humidity: 85% RH

Airless Spray Details:

Tip No.: GRACO 415
Pressure at Tip: 8.8 – 11.8 Mpa
Viscosity: 10 – 20 seconds (Ford Cup No. 4)

ADDITIONAL NOTES

The product will reach full cure after 2 hours at 200°C.
It should be heated gradually, e.g. By conducting steam into the steam pipe. Do not heat abruptly until full cure.
Max allowable DFT: <125µm.