



Alchemy[®]
Oilfield Services Limited

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Alchemy Coat-N-Ceal[®] Product Bulletin

This peel-able paint system can be applied at various temperatures to provide a surface coating or a sealing gasket which can be removed by hand. These materials give protection to the application area but are easily removed for inspection purposes. They leave the surface cleanly and unless heavily coated require no tools for removal. The Coat-N-Ceal[®] product can also be used as a liquid gasket material which will solidify to provide a secure gasket system. The ease of removal after use or in reworking the area avoids the need to redress the faces of the components for reuse and the Coat-N-Ceal[®] can be easily removed by peeling or use of a pallet knife.

Typical Properties

In general the Base material is a white paste and the Catalyst or Curing Agent is a blue paste. When these two components are mixed together a uniform pale blue in the final product indicates that even mixing has been achieved. The colour of both the Base and Catalyst can be changed.

Viscosity of mixed material	300,000 mPa.s approx.
Density	1.2
Pot life at ambient temperature	Ca. 1 – 12 hours
Cure time at ambient temperature	3 – 24 hours
Hardness, Shore A Durometer	40
Elongation, %	190
Dielectric Strength	18.0 kV/mm
Thermal Conductivity	0.30w/m/°K approx.
Recommended Storage Temperature	Below 30°C
Operating Temperature Range	-50 to 200°C

Key Performance Properties

- Work time and cure rates can be varied
- Room temperature cure/composition free of solvents and solvent odour
- FDA compliance
- Excellent release properties
- Retention of elastomeric properties at temperatures from -50°C up to 200°C continuously, and up to 260°C for short periods of time.

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