

Product Data

Ceramic Fibre Rigidiser (SMRIGID/10L)

Darco style **SMRIGID/10L** rigidiser is a liquid compound used to increase hardness and erosion resistance of ceramic fibre and other fibrous or porous insulation materials. For surface hardening rigidiser can easily be applied to the surface of fibrous insulating materials using standard brushing, rolling and spraying techniques. For total hardening ceramic fibre can be completely immersed in rigidiser.

Properties:

Colour:	Clear
Continuous temperature limit:	1260°C
Solid content:	28 - 30%
Specific Gravity:	1.395 - 1.405
Viscosity:	4 Centipoise
PH Value Max:	9.7
SiO₂ Na₂O ratio:	3.05 - 3.15

Typical Applications:

- Surface coating for ceramic fibre linings exposed to high velocity gases.
- Bonding agents in the production of ceramic fibre composites
- Increasing surface hardness and resistance to erosion.

Installation and Drying:

Rigidiser should be applied to clean surfaces, free of all oil and grease, by brushing, dipping, rolling or spraying. When applying by spraying provide suitable respiratory protection and adequate ventilation. Bonding action is achieved after removal of physical water. Bonding may be accelerated by heating or over oven drying. Curing is a function of the size of the shape and its geometry.

An application rate of 0.25 to 1.0 kg/m² is recommended, depending on the permeability of the material.

Packing:

Darco **SMRIGID/10L** is supplied in 10 litre pails or 200L steel drums.

All data is compiled from routine samples and do not constitute a precise specification. Many of these products are based on both natural and synthetic raw material and variation will occur, especially coated textiles. Information is provided in good faith and is subject to review whenever necessary. No guarantee or warranty is implied.