

TECHNICAL DATA SHEET

ACTSIL DRS

Actsil DRS is a non-cementitious, chemically bonded concrete with a high silica content. It is highly resistant to all acids bar hydrofluoric but is unsuitable for contact with alkali applications. Unlike conventional silicate based products, it is totally unaffected by water. **Specifically Formulated for Sulphuric Acid Wet/Dry Applications.**

GENERAL

Maximum Service Temperature (0 °C)	700
Maximum Grain Size (mm)	7
Setting Time	4 to 12 hours

PHYSICAL PROPERTIES

BULK DENSITY (ton/m³)	
As Cast	2.05 to 2.20
Dried at 1100°C	1.95 to 2.10
COLD CRUSHING STRENGTH (MPa)	
3 Days	>20
Dried 110°C	>30
MODULUS OF RUPTURE (MPa)	
48 hours	4 to 12
SHRINKAGE % (BS 812 Pt 120)	
	0.048 to 0.054
Adhesion to Ceramic Earthenware	Excellent

CHEMICAL ANALYSIS (%)

SiO ₂	99%
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PACKAGING

60 Bags; 60 Bottles; 1500Kg per Pallet

These results are typical of laboratory prepared samples, data is based on current production averages and should be achieved by properly placed materials on site. Depending on site conditions, normal variation may occur. These results may be used for specification purposes.

Manufactured by **ACT Manufacturing** on behalf of Caucid (Pty) Ltd.

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