



# CERAN ST 2

## DESCRIPTION

**Extreme pressure adhesive and water-resistant calcium sulfonate complex grease.**

## APPLICATIONS

**CERAN ST 2** is a highly, adhesive, extreme pressure and water resistant grease, designed for the lubrication of all kinds of industrial (coilers, rolling mills,...), marine (wire ropes, open gears, hinges, turnbuckles) and offshore applications, operating under the most severe conditions. (water,heat, dust and other pollution).

**CERAN ST 2** is also suitable as an EP multi purpose grease, in "off road" applications where water is in frequent contact with the grease.

## SPECIFICATIONS

ISO 6743-9: L-XBFIB 2

DIN 51 502: KP2R -25

## ADVANTAGES

Strong adhesion to surfaces increasing the regreasing intervals and reducing the time spent on preventive maintenance

Excellent thermal stability. It regains its original texture after cooling to ambient temperature.

Remarkable load resistance thanks to its naturally high extreme pressure and anti-wear properties.

Extraordinary water resistance, even under sea water wash off, no significant loss of consistency is observed even with high amounts of water in contact with the grease.

Excellent anti-oxidation and anti-corrosion properties thanks to the nature of the calcium sulfonates and its specific additivation, also in the presence of sea water.

**CERAN ST 2** does not contain lead, or other heavy metals considered harmful to human health and the environment.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at [ms-sds.totalenergies.com](http://ms-sds.totalenergies.com)

## RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN ST 2
Soap/thickener		-	Calcium Sulfonate complex
NLGI grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Brown
Appearance	Visual	-	Smooth, tacky
Operating temperature range		°C	- 25 to 180
Worked Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	265-295
Four ball weld load	ASTM D 2596	kgf	500
Anti-rust performance SKF-EMCOR salt water	ISO 11007	rating	Max 1
Dropping point	IP 396	°C	> 300
Kinematic viscosity of the base oil at 40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	180

Above characteristics are mean values given as an information.

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