



# CERAN AD PLUS

## DESCRIPTION

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

## SPECIFICATIONS

ISO 6743-9: L-XBDIB 0

DIN 51 502: OGP0N -20

## APPLICATIONS

**CERAN AD PLUS** is a adhesive heavy duty grease designed for use on slide rails, metal cables, wire ropes, winches, small open gears and chains working under severe circumstances.

**CERAN AD PLUS** is used in marine applications, cement works, mines and quarries, ports (e.g. travelling cranes) off shore, and other “heavy” industry applications.

**CERAN AD PLUS** is adapted for the static protection of spare parts.

## ADVANTAGES

Excellent thermal and mechanical stability. Adapted for a wide range of temperatures

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

Excellent adhesion on ropes, open gears, metallic pieces in general.

Extraordinary water resistance, no significant loss of consistency is observed even with high amounts of water entering the grease.

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

**CERAN AD PLUS** 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

**CERAN AD PLUS** can be applied by hand with a brush or other adapted tool. For an optimal lubrication and performances, keep the applying tools as clean as possible.

## TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN AD PLUS
Soap/thickener		-	Calcium sulfonate
NLGI grade	ASTM D 217/DIN 51 818	-	0/1
Color	Visual	-	Dark brown
Appearance	Visual	-	Smooth/Buttery
Operating temperature range		°C	- 20 to 150
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	320 - 360
Four ball weld load	ASTM D2596	kgf	> 315
Anti-rust performance SKF- EMCOR	ISO 11007	rating	0-0
Dropping point	IP 396	°C	> 250
Kinematic viscosity of the base oil at 40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	> 1700

Above characteristics are mean values given as an information.

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