



# CERAN XM 320

## DESCRIPTION

**Extreme-pressure water resistant high temperature “NEW GENERATION” calcium sulfonate complex grease.**

## SPECIFICATIONS

ISO 6743-9: L-XBFIB 1/2

DIN 51 502: KP1/2R -25

## APPLICATIONS

**CERAN XM 320** is a medium viscosity and extreme pressure grease, designed for the lubrication of industrial bearings working under high temperatures and high loads in the wet section of paper machines.

**CERAN XM 320** is also suitable as EP multipurpose grease, in various other industrial applications where water is in frequent contact with the grease.

## ADVANTAGES

Thanks to its very sophisticated formula and performance headroom, **CERAN XM 320** meets the most stringent industrial requirements set by paper machine manufacturers.

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

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

Outstanding water resistance, no significant loss of consistency is observed even with high amounts of water ingress in the grease.

Improved oxidation resistance allowing extended re-greasing intervals.

**CERAN XM 320** provides high protection of metal surfaces against corrosion thanks to the very nature of the calcium sulfonates, also in the presence of sea water.

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 dispensing system or cartridges.

## TYPICAL CHARACTERISTICS

| PROPERTIES                                  | METHODS               | UNITS                    | CERAN XM 320              |
|---|-----------------------|--------------------------|---------------------------|
| Soap / Thickener                            |                       | -                        | Calcium Sulfonate Complex |
| NLGI grade                                  | ASTM D 217/DIN 51 818 | -                        | 1-2                       |
| Color                                       | Visual                | -                        | Brown                     |
| Appearance                                  | Visual                | -                        | Smooth/tacky              |
| Operating temperature range                 |                       | °C                       | -25 to 180                |
| Penetration at 25°C                         | ASTM D 217/DIN 51 818 | 0.1 mm                   | 280-310                   |
| Four ball weld load                         | ASTM D 2596           | kgf                      | > 400                     |
| Anti-rust performance SKF-EMCOR             | ISO 11007             | Rating                   | 0-0                       |
| Dropping point                              | IP 396                | °C                       | > 300                     |
| Kinematic viscosity of the base oil at 40°C | ASTM D 445            | mm <sup>2</sup> /s (cSt) | 320                       |

Above characteristics are mean values given as an information.

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](https://ms-sds.totalenergies.com)