



# Marfak HM 2

## High-performance water-resistant grease

(Previously known as Texando CX EP 2)

### Product description

Marfak HM 2 is a high-performance water-resistant grease designed for multi-purpose lubrication applications, with high performance anti-oxidation and anti-corrosion additives designed to contribute to long equipment service life.

Marfak HM 2 is formulated with calcium complex soap and refined mineral oil to offer effective mechanical stability and load carrying performance.

### Customer benefits

- Designed for multi-purpose lubrication even in high temperature applications.
- Formulated for high performance resistance to water, including boiling water, weak acids, and alkaline solutions, with good sealing properties.
- Offers high lubricity and oiliness as well as good natural adhesion.
- Promotes good pumpability and oxidation resistance through advanced additive package.

### Product highlights

- **Designed for multi-purpose, high temperature lubrication.**
- **Formulated for high performance resistance to water.**
- **Offers high lubricity and oiliness, and natural adhesion.**
- **Promotes good pumpability and oxidation resistance.**

#### Selected specification standards include:

DIN	FAG
-----	-----

ISO	SKF
-----	-----

Voest-Alpine
--------------

## Applications

- Marfak HM 2 promotes lubrication in the presence of water and can be used in a variety of universal grease applications from normal operating temperatures to high temperature lubrication. This offers financial advantages as it helps reduce inventories.
- In a wide operating temperature range from –25°C to +180°C, which is unusual for lubricating greases, Marfak HM 2 offers smooth operation of machines and aggregates. Sustained lubrication at a maximum temperature of +140°C should not be exceeded, at temperatures more than this, automatic re-lubrication must be ensured.
- Marfak HM 2 is especially suited for applications in centralized lubricating systems.

Marfak HM 2 is often used in cement-, steel industry and mining, like:

Heavily loaded Plain and roller bearings	Furnaces
Joints (CV-joints and spindles) subjected to medium rotational speeds or low to medium speed as well as to unsteady motion even in the presence of water.	Continuous casters
Conveyer systems	Cold rolling mills
Sintering machines	Belt conveyor systems
Construction machinery	Processing machines

## Approvals, performance and suitable for use

### Approvals

- Voest-Alpine

### Performance

- DIN 51 502: KP2 N-20
- ISO 6743-09: ISO-L-XBDHB2
- Operating temperature: -25°C up to 140°C, in centralized systems up to 180°C

### Suitable for use

- FAG
- SKF

## Product maintenance and handling

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat build-up can result. Periodic re-lubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Avoid any spillage of used and unused product to the environment.

Product residue and package/container should be disposed of in dedicated collection points.

Typical test data		
Test	Test Methods	Results
<b>Typical Shelf Life: 36 months from date of filling indicated on the product label</b>		
Appearance	Visual	Brown-smooth
Soap type		Calcium complex
Penetration worked, 60x, mm/10	DIN ISO 2137	265-295
Dropping Point, °C	DIN ISO 2176	>240
Base oil viscosity at 40°C, mm <sup>2</sup> /s (pure base oil mix)	DIN 51 562	145
Emcor corrosion test	DIN 51 802	0/1
Copper Corrosion 24 hrs at 120°C	DIN 51 811	1B
D/N factor limit		750000
Four Ball weld point, N	DIN 51 350	3200
FAG FE8 7.5 min <sup>-1</sup> /80 kN/500h/80°C	DIN 51 819	
Wear rolling element m <sub>w50</sub>		<50
Wear cage m <sub>w50</sub>		<100

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

**Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.**

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see [www.texacolubricants.com](http://www.texacolubricants.com).

**A Chevron company product**