

Marfak HM 2

High-Performance Water-Resistant Grease
(formerly 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.

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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 $+180^{\circ}\text{C}$, which is unusual for lubricating greases, Marfak HM 2 offers smooth operation of machines and aggregates. Sustained lubrication at a maximum temperature of $+140^{\circ}\text{C}$ 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

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Product approvals, performance and recommendations

Developed independently by Chevron to comply with the following performance standards and specifications:

MARFAK HM 2	
Voest-Alpine	Approved
ISO 6743-9: ISO-L-XB(F)DHB2	Meets the requirements
DIN 51 502: KP2N-20	Meets the requirements
FAG	Suitable for use
SKF	Suitable for use

Consult OEM representatives for independent verification, updates and recommendations.

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.

Operating temperature: -25 °C up to 140 °C in centralized systems up to 180 °C

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Typical Test Data

MARFAK HM 2	TEST METHOD	RESULTS
Product Code		510886
Appearance	Observation	Brown, Smooth
Thickener Type		Calcium Complex
Worked Penetration, 60 mm/10	ASTM D217	265-295
Dropping Point, °C	ASTM D566	>240
BOBV Kinematic Viscosity, mm ² /s @ 40°C	ASTM D445	145
Emcor Corrosion	ASTM D6138	0/1
Copper Corrosion, 24h, 120	ASTM D4048	1
Weld Point, N	DIN 51350-4	3200
D/N factor limit		750000

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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