



# Marfak XD 2 M3

## Proven performance calcium grease

(Previously known as Texclad 2)

### Product description

Marfak XD 2 M3 is a proven performance water stabilized calcium grease, recommended for use on fifth wheels and open gears of construction machinery, ball mill gears, and large enclosed spur gears where oil leakage is a problem.

Marfak XD 2 M3 is formulated with a high viscosity base oil mix, and contains selected additives, including solid graphite and molybdenum disulfide, to offer effective protection in heavy duty operations.

**Note:** In the US the product is still called Texclad 2

### Customer benefits

- Good load carrying capability.
- High adhesion formulation offers advanced protection in open gears even at lower temperatures.
- Resistance to water washing in wet and high pressure environments.
- Effective bitumen-free formulation helps prevent environmental contamination.

### Product highlights

- **Good load carrying capability.**
- **High adhesion formulation.**
- **Resistance to water washing.**
- **Effective bitumen-free formulation.**

#### Selected specification standards include:

DIN

ISO

Masada

### Applications

- Marfak XD 2 M3 is recommended for use on fifth wheels and open.
- Gears of construction machinery, ball mill gears and large enclosed spur gears where oil leakage is a problem.
  - Also successfully used to lubricate:
    - Forklifts (rails and wheel-drive gears)
    - Slipper drives (steel mills)
    - (back-up legs) Dredging (cutting heads)
    - Travelling water screens
    - Wire ropes and general-purpose grease points of deck equipment
- Marfak XD 2 M3 can also be used at higher temperatures than 60°C, in special cases where the carrier grease is thermally decomposed leaving the solid mineral additives to afford lubrication. About 22% graphite and 3% MoS<sub>2</sub> are left over.
- For use as wire rope grease, the use of a wire rope lubrication system is recommended. This system lubricates the wire rope inside and outside. Water, rust, dirt and old lubricant is removed during the process.

### Approvals, performance and suitable for use

#### Approvals

- Masada

#### Performance

- DIN 51 502: MPF 2C-10 and KPF 2C-10
- ISO 6743-09: ISO-L-XAAIB2
- Operating temperature: -10°C up to 60°C.

### 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 relubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Typical test data		
Test	Test Methods	Results
<b>Typical Shelf Life: 36 months from date of filling indicated on the product label</b>		
NLGI		2
Texture		Smooth
Colour		Black
Thickener type		Calcium
Thickener content, %	ASTM D0128	16
Worked penetration, 60x, mm/10	ISO 2137	265-295
Base oil Type		Mineral
Base oil Content,%		>60
Base oil viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	>1000
Base oil viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	33-40
Dropping Point, °C	ISO 2176	106
Solid additive content, (C),%		22
Solid additive content, (MoS <sub>2</sub> ),%		3
Lead content, %		None
Four ball EP Load Wear Index, kgf	ASTM D2593	56
Weld Point, kgf		315
Four Ball EP Weld Load, N	DIN 51 350/4	>4900
Water resistance static	DIN 51 807/1	0/90

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).

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