



# BIOMERKAN RS

## DESCRIPTION

**Biosourced and Highly-Biodegradable water-resistant Calcium grease.**

## APPLICATIONS

**Biomerkan RS** is pre-eminently designed for the lubrication of slow rotating slide bearings and articulations used in marine applications such as stern tubes, and 'industrial' applications such as conveyor belts.

**Biomerkan RS** has been developed for loss lubrication in environmental sensitive areas, is also suitable as a non "EP" general purpose grease in a wide range of 'outdoor' applications where water is in frequent contact with the grease.

## SPECIFICATIONS

ISO 6743-9: L-XBBEA 3

DIN 51502 : ME3E-20

## ADVANTAGES

**Biomerkan RS** is insoluble in water, leading to a remarkable resistance to water wash-out.

Because of the smooth and fluid structure **Biomerkan RS** is easily pumpable and therefore suitable for centralized lubrication systems.

## RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying.

Preferably use a pneumatic pump system.

## TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	Biomerkan RS
Soap/thickener		-	Calcium
NLGI grade	ASTM D 217/DIN 51 818	-	3
Color	Visual	-	Yellow / brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 20 to 90
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	220 - 250
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	rating	0 - 0
Dropping point	IP 396/DIN ISO 2176	°C	> 140
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm <sup>2</sup> /s (cSt)	32

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. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).

**TotalEnergies Lubricants**

SA 552 006 454 RCS Nanterre - France