

## CORES 81, 81E

### RUST PREVENTIVE OILS

#### PRODUCT DESCRIPTION

CORES 81 anti-corrosion oils are produced by mixing refined base oils of the best quality with special additives. These are thixotropic, barium and zinc-free corrosion inhibitors, based on base oils low in aromatics, which form a thin, non-dripping protective film on the surface.

#### APPLICATION / USAGE

Metal surfaces generally undergo special surface treatment after machining operations. However, the surface can be damaged by corrosion. CORES 81 and CORES 81E are used to protect metal surfaces from atmospheric influences and metals from oxidation.

CORES 81 oils protect semi-finished products from corrosion during production. They are used as anti-corrosion oils for profiles, pipes, steel and iron strips, spare parts as well as in transport and storage. In suitable packaging, they are also used for overseas shipping.

The thickness of the film layer on the material is an important factor in the maximum duration of protection. The layer thickness can be changed depending on the type of application and the material surface. Application can be done by dipping, spraying or rolling. To ensure effective protection, the dipping method is particularly recommended.

#### ADVANTAGES / BENEFITS

- Solvent-free, thixotropic liquid with low drain slope
- No heavy metals such as barium or zinc
- Provides long-term protection for metal surfaces
- Corrosion inhibitors with a high flash point and low aromatic content
- They form a non-drying film layer
- They offer good protection against fingerprint corrosion
- Easy to clean with solvents and alkaline degreasers

#### STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature must be between +5 and +40°C.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

00.2021.04.01



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TECHNICAL PROPERTIES	TEST VALUES		TEST METHOD
	81	81E	
Appearance	Brown, Clear	Dark Brown, Clear	-
Density (20°C, g/cm <sup>3</sup> )	0,865	0,875	ASTM D 4052
Refractive Index (n <sub>D20</sub> )	1,4740	1,4800	ASTM D 1218
Kinematic Viscosity (40°C,cSt)	15,0	26,0	ASTM D 445
Flash Point (°C)	160	210	ASTM D 92
Film Thickness (µm)	3-7		ASTM D 56
Protection Time, Indoor (month)	8-12		BLN-127 *
Film Type	Oily layer		-

\* BLN: Test Procedure of Belgin Oil

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