

DOC NO	REV	ISSUED	CLASS
TDS-JETSHIELD-SC	01	10/2026	Storage compound

TECHNICAL DATA SHEET

JETSHIELD SC

Calcium-Complex Storage Compound for Threaded Connections · NLGI 0–1 · –29 °C to +218 °C

DROPPING POINT	SALT SPRAY, 5 % NaCl	WORKED PENETRATION	SERVICE RANGE
> 200 °C	> 2000 h	340 – 375 0.1 mm	–29 °C to +218 °C

DESCRIPTION

JETSHIELD SC keeps stored tubulars and steel equipment ready for service. Built on a calcium-complex thickener, it displaces moisture from the metal surface and seals it under a firm, water-resistant film that holds its protection through long periods in the storage yard and in transit.

Its protection is part of its structure. Instead of relying on a small dose of oil-soluble inhibitor that fades as oil separates, JETSHIELD SC binds a high level of rust inhibitor directly into the thickener. The inhibitor stays where it is needed, on the steel, while a 19–25 % thickener content forms a dense film that clings to the metal for as long as the part remains in storage.

METHOD OF APPLICATION

Brush or spray onto clean threads and surfaces. Before make-up, wipe away heavy deposits so that the running compound is not diluted; a thin residual film can stay in place. JETSHIELD SC is compatible with the base grease of running compounds. Avoid mixing with clay-based greases.

BENEFITS

- Displaces water, seals out rust
- Inhibitor locked into the thickener
- Under 5 % residue after protector removal
- Salt spray > 2000 h, 5 % NaCl (ASTM B117)
- Dense film that clings to steel
- Ready to use, by brush or spray

APPLICATION TEMPERATURE

- Brush: –18 °C to +66 °C (0 °F to 150 °F)
- Spray: +10 °C to +66 °C (50 °F to 150 °F)

SERVICE RANGE

- –29 °C to +218 °C (–20 °F to 425 °F)

PACK SIZES

Supplied in a range of pack sizes. Contact JETTA for availability.

APPLICATIONS

- Threaded pipe ends and drill-string connections in the storage yard and in transit
- Casing, tubing and drill pipe under thread protectors
- Machined steel surfaces and equipment held in long-term storage

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
Colour	–	Olive green
Thickener	–	Calcium complex
Thickener content, %	–	19 – 25
Base fluid	–	Mineral & synthetic
NLGI grade	–	0 – 1
Worked penetration at 25 °C, 0.1 mm	ASTM D217	340 – 375
Dropping point, °C	ASTM D2265	> 200 (392 °F)
Flash point, °C	ASTM D92	> 221 (430 °F)
Specific gravity	–	0.94
Density	–	7.85 lb/gal (0.94 kg/L)
Salt spray, 5 % NaCl, 38 °C, h	ASTM B117	> 2000
Salt spray, 20 % NaCl, 38 °C, h	ASTM B117	> 750
Brookfield viscosity, spindle 6 at 10 rpm, cP	–	42,000 – 75,000
Service temperature range	–	-29 °C to +218 °C

Typical values, not a specification. Minor batch-to-batch variation that does not affect performance is normal in production.