

ACCEPTANCE DATA SHEET

NON-CURED MOLYBDENUM DISULFIDE VARNISH

DMR 75-355

A.M.N.	DATE	INDICE
575/77	77.12.19	A
425/88	88.06.29	E
299/92	92.03.20	F

F0301

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TPXT/WRD

General requirements for ordering, supplying and acceptance testing are specified in DMR 75p.
Approval procedure No.2 as per DMR 13 (normally monitored product).

Trade name: D321 R (DOW CORNING)

1. TYPE

Lubricant varnish consisting of molybdenum disulfide (MoS_2) and other solid lubricants in suspension in an inorganic binder and a non-flammable solvent.

A coating that hardens by hydrolysis in contact with atmospheric humidity.

2. PRODUCT CHARACTERISTICS IN THE AS-DELIVERED CONDITION2.1. Supply form

Product used in spray cans.

2.2. Appearance

Dark-grey product.

2.3. Composition

- . MoS_2
- . Other solid lubricants
- . Inorganic binder
- . Solvents: white spirit and butylacetate
- . Propellant agent: propane/butane

2.4. Density at 20 °C (kg/dm³) (as per ISO 2811)

About 1.07

2.5. Flashpoint (as per ISO 1523)

≥ 23 °C

REFERENCED DOCUMENTS: Required for application: DMR 10 - DMR 13 - DMR 75 - DQR 01

OTHER DOCUMENTS REQUIRED FOR APPLICATION: ISO 1523 (83) ISO 2811 (74) Edited by the International Standard Organization.

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3. CHARACTERISTICS OF THE PRODUCT AFTER APPLICATION

3.1. Test pieces

Test pieces shall be made of the same alloy as the items to be coated, or alternatively of Z10CNT18 or equivalent. The test piece dimensions are left to the Inspection Department's discretion; for example, 150 x 30 mm test pieces may be used.

Test pieces shall be coated with the varnish to be accepted, applied as follows:

- Degreasing: by chlorinated solvents, ethyl alcohol or acetone.
- Corundum 40 to 50 dry sand blasting (pressure ≤ 1.5 bar) or quartz 40 vapor sand blasting.
- If required, dry and oil-free air drying to remove dust.
- Varnish application
- Varnish curing for approximately 10 min. at ambient temperature.

3.2. Appearance

Coating shall be of uniform color and free from defects such as pitting, scratches, blisters or bubbles.

3.3. Curing

Inspection shall be carried out by scraping with a correctly sharpened blade. If scrapings are powder, the coating has been properly cured. If the scrapings have a gummy consistency, curing is incomplete.

4. INSPECTIONS

As per DMR 75

4.1. Product inspection in the as-delivered condition

- | | |
|---------------|---------------------------------------|
| . Appearance | : 1 per batch |
| . Density | : as per supplier's warranty |
| . Flash point | : to be carried out during acceptance |

4.2. Inspection of the cured product

- Appearance : 1 per batch
- Curing : 1 per batch