SHORT-TERM RUST PREVENTION

BENZPACK Short-Term Rust-Preventive Oil

Outstanding water-displacing penetrating oil for metal surfaces. The published range includes a dry-touch route for fast in-process protection and a soft-film route for sheet metal and precision parts during packed storage or transit.

WATER DISPLACEMENT	FILM THICKNESS	COVERAGE	PUBLISHED GRADES
Passes	**1 micron**	**More than 200 / 150 m2 per litre**	**DW 791 and RP 100**

Select by film behaviour and protection interval

DRY-TOUCH ROUTE

LOC RUST DW 791

Water-displacing penetrating oil for cleaning media and in-process rust prevention. It dries quickly and leaves a non-sticky thin film.

Drying time	**2-3 minutes**
Coverage	**More than 200 m2/litre**
Packed indoor protection	**Up to 3 months**
Packed outdoor protection	**1 month**

SOFT-FILM ROUTE

LOC RUST RP 100

Light, soft oily film for sheet metal and precision parts during transit and storage. The film can be removed with an alkaline cleaner.

Drying time	**8-10 minutes**
Coverage	**More than 150 m2/litre**
Packed indoor protection	**9-12 months**
Packed outdoor protection	**2-3 months**

Working principle

1. Apply the selected grade using the process method approved for the component. 2. The low-viscosity oil reaches the metal surface and supports dewatering and removal of residual cutting oil or dirt. 3. After the published drying period, a one-micron inhibitor film remains. 4. Move the treated part to in-process storage or packed transit within the selected grade's protection interval.

PUBLISHED PRODUCT DATA

Technical specifications

Values below are transcribed from the existing BENZ website product page on 24 August 2026.

Attribute	Reference method	DW 791	RP 100
Appearance	Visual	Dark brown	Clear fluid
Odour	-	Mild	Mild
Specific gravity at 29.5 C	ASTM D 1298	0.812	0.8212
Flash point COC	ASTM D 92	>45 C	Minimum 45 C
Viscosity at 40 C	ASTM D 445	1 cSt	0.5-1.0 cSt
TAN	ASTM D 94	0-1 mg KOH/g	0-1 mg KOH/g
Film thickness	-	1 micron	1 micron
Water displacement test	BPTM 03	Passes	Passes
Copper strip corrosion	-	ASTM D 130	1A
Solid content	-	70.00 wt%	-
Coverage	-	>200 m2/litre	>150 m2/litre
Salt spray test	ASTM B 117	>8 hours	>24 hours
Packed indoor protection	-	Up to 3 months	9-12 months
Packed outdoor protection	-	1 month	2-3 months

Document status

This is a website technical specification sheet created from the published product-page values. It is not a controlled TDS or SDS and does not replace grade-specific technical approval, process validation or the latest safety documentation. Confirm the current controlled issue with BENZ Packaging before procurement, application or qualification.

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