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ICS 55,020

Descriptors: Preservation, storage, transport protection

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Revision

Compared to VN 1577-2 (January 2009), the following alterations were made:

Additions in items 1.1, 1.2, 1.5, 1.6, 1.7 and 1.8.

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1 Preservations

1.1 General

All parts made of stainless materials (e.g. stainless steel, aluminium, bronze, plastic, etc.) are not preserved. For all preserved parts, a waterproof blocking layer must be used as separating layer from the wooden support. Paper or board must **not** be used because of *possible* moisture. Rapid temperature changes lead to damage or destruction of the roll cover.

1.1.1 Use of Anticorit DFW 330 or Hölterol

Spray on Anticorit DFW 330 or Hölterol at ambient temperature so that a covering layer forms on the shell surface and in the boreholes. It is essential to keep a drying time of at least 6 hours at ambient temperature.

1.1.2 Use of Tectyl 506

Spray on Tectyl 506 at ambient temperature so that a covering layer forms on the shell surface. It is essential to keep a drying time of at least 24 hours at ambient temperature.

1.1.3 Use of flexible lamella protective mat

Lay the lamella protective mat (impact protection) over the face length and fasten with tightening strap. Never attach directly to the coating. Tension the tightening strap only lightly.

1.1.4 Use of insulating foam mat

The cold/heat insulating mat must rest snugly over the face length and be bonded tightly at the points of impact (adhesive tape).

1.2 Preservation matrix

	Modes of transport					Storage
	Truck	Rail	Ocean	Container ¹⁾	Air	
Goods class (GK) = GK 6 (VN 1577-1)	Preservations					
Rolls, uncoated	K6	K6	K7	K7	K7	B
Rolls, coated	K8, K10	K8, K10	K9, K10	K9, K10	K8, K10	A

1) Like "Ocean" mode of transport, but conveyed in the container

1.3 Preservation K 6: Preservation for uncoated, undrilled rolls

Preservation for all bright and non-coated external surfaces of the roll:

- Coating with Anticorit DFW330 or Hölterol
- Wrap the face length wrinkle-free with anti-corrosion paper, e.g. Branorost
- Wrap face length with reinforced paper, paper webs overlapping at least 30cm. Press end-face excess length (approx. 30cm) onto roll end face and fix with adhesive tape.
- Boreholes and tapped holes are preserved with Anticorit DFW330 or Hölterol. If components are not packed further, the boreholes and tapped holes must be closed with, for example, plastic plugs (also on parts clad with stainless steel).

1.4 Preservation K 7: Preservation of uncoated, undrilled rolls

Preservation for all bright and non-coated external surfaces of the roll:

- Application of Tectyl 506 or Hölterol.
- Wrap the face length wrinkle-free with anti-corrosion paper (e.g. Branorost).
- Wrap face length with reinforced paper, paper webs overlapping at least 30cm. Press end-face excess length (approx. 30cm) onto roll end face and fix with adhesive tape.
- Boreholes and tapped holes are preserved with Anticorit DFW330 or Hölterol. If components are not packed further, the boreholes and tapped holes must be closed with, for example, plastic plugs (also on parts clad with stainless steel).

1.5 Preservation K 8: Preservation for coated rolls

Coated rolls (*chromium*, rubber, polyurethane, ceramic, resin, ...) must not come into contact with anti-corrosion agents.

- Wrap face length wrinkle-free with plastic film (e.g. polyethylene).
- Wrap face length with reinforced paper; make paper webs overlap. Fix the radial and axial butt joints with adhesive tape. Press end-face excess length onto roll end face and fix with adhesive tape.
- Provide additional insulating packaging material for transport in the cold season and in areas with risk of frost.
- Fit insulating foam mat (aluminium-coated) wrinkle-free and seal with adhesive tape at the butt joints.

Preserve all bright and non-painted surfaces of the roll with Anticorit DFW330 or Hölterol.

1.6 Preservation K 9: Preservation for coated rolls during ocean transport

Coated rolls (*chromium*, rubber, polyurethane, ceramic, resin, ...) must not come into contact with anti-corrosion agents.

- Wrap face length wrinkle-free with plastic film (e.g. polyethylene).
- Wrap face length with reinforced paper; make paper webs overlap. Fix the radial and axial butt joints with adhesive tape. Press end-face excess length onto roll end face and fix with adhesive tape.
Provide additional insulating packaging material for transport in the cold season and in areas with risk of frost.
- Fit insulating foam mat (aluminium-coated) wrinkle-free and seal with adhesive tape at the butt joints.

Preserve all bright and non-painted surfaces of the roll with Tectyl 506 or Hölterol.

1.7 Preservation K10: Preservation for drilled, coated rolls

Winder drum, reel drum

- Wrap face length with packaging paper and board (corrugated board).
- Apply drying agent on the top half of the face length
Per m³, approx. 10 bags of drying agent (unit 8) are needed.
- Apply 10 bags of drying agent (unit 8) each on drive and front-sided bearing assemblies.
- Shrink-wrap roll completely with aluminium compound foil (200°C – 40N/cm² - 2s) and/or exhaust air

2 Storage

Storage is labeled by a single-digit, individual identification letter.

Identification letter	Storage	
A-	Storage in tempered buildings (+10°C to +35°C)	Coated rolls
B	Storage in dry, unheated buildings	Uncoated rolls, if A is not possible
C	Outdoor storage.	<u>Not</u> permissible for rolls