TECHNICAL DATASHEET 2026

Grade datasheet — A, C, S and ColdOFF® Premium

Typical values for the finished foam each grade is formulated for. Not a quotation; no price on this sheet.

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PARAMETER	COMPONENT A	COMPONENT C	COMPONENT S	COLDOFF® PREMIUM
Isocyanate share of net weight (α)	**≥ 40%**	24–27%	18–21%	≥ 40%, tightened
Isocyanate : polyol ratio (β)	**0.9–1.3 : 1**	0.38–0.45 : 1	0.25–0.30 : 1	0.95–1.3 : 1
Main-material content, export wording	**82–86%**	62–66%	40–45%	84–88%
Apparent density, free rise (kg/m³)	**24–32**	18–22	13–17	26–34
Compressive strength at 10% (kPa)	**35–60**	22–35	12–20	40–65
Tensile adhesion on aluminium (kPa)	**85–120 · class I**	60–80 · class II	40–55 · borderline III	90–125 · class I
Dimensional stability, 48 h (%)	**≤ 1.5**	2.0–3.5	4–8	≤ 1.2
Closed-cell content (%)	**85–92**	75–85	60–75	88–93
Expansion ratio, gun grade (×)	**30–40**	40–50	55–65	28–38
Yield per 750 ml can, 20 × 20 mm joint	**18–22 m**	24–28 m	30–35 m	17–21 m
Tack-free / cuttable	**6–10 / 35–50 min**	6–9 / 40–60 min	5–8 / 50–70 min	6–9 / 35–45 min
Foam colour	**ivory white**	white, slightly yellow	yellow to deep yellow	ivory white
Feel at the cut	**firm, resilient**	medium, light mark	soft, stays dented	firm, resilient
Oil bleed	**none**	generally none	common	none
Shelf life, unopened can	**12–18 months**	9–12 months	6–9 months	12–18 months
Where it belongs	**window and door frames, curtain wall, passive house, export orders**	general engineering joints, home windows, pipe penetrations	temporary sealing, AC holes, packaging, non-load-bearing joints	cold rooms, curtain wall, low-VOC and export specifications

Typical values for orientation only. Final parameters are confirmed for the selected grade and your filling conditions.

In the drum

PROPERTY	TYPICAL VALUE
Appearance	**light yellow to brown, viscous**

PROPERTY	TYPICAL VALUE
Density at 25 °C (g/cm³)	1.02–1.10
Viscosity at 25 °C (mPa·s)	250–600
Flash point (°C)	> 100
Water content (%)	≤ 0.15
Storage	5–30 °C, dry, sealed drum
Shelf life in the drum	6 months, unopened
Packaging	200 L steel drum × 5 = 1 t

Typical values for orientation only. Final parameters are confirmed for the selected grade and your filling conditions.

Documents and packing

- SDS per grade; COA per batch with the batch number printed on the drum.
- Form E for ASEAN origin; packing list; non-dangerous goods transport appraisal on request.
- 200 L steel drum × 5 = 1 tonne. Pallet marks in your format.
- Shelf life in the drum: 6 months, unopened, 5–30 °C, dry.