ELONMEK
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Technical Data Sheet
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F681 / 2918N Defoamer for Polycarboxylate Admixtures

Grades: F681, 2918N · Form: Emulsion (water- and oil-soluble grades) · Chemistry group: Silicone & Ether

1. Product description

Purpose-built defoamer for the concrete admixture industry. It destroys harmful macro- and micro-foam while leaving the beneficial air bubbles from air-entraining agents intact.

2. Typical properties

Property	F681	2918N
Appearance	White emulsion	White emulsion
Active content	≥35.0	≥28.0
Viscosity (25 °C, mPa·s)	400-3000	300-2000
pH	6.0-8.0 6.0-8.0	6.0-8.0 6.0-8.0

Values in the table are typical and indicative. They describe the grade as normally supplied and are not a contractual specification; the values confirmed for your order are those stated on the order confirmation.

3. Typical applications

Polycarboxylate water reducers · Ready-mixed concrete · Concrete admixture manufacturing · Cement-based mortars

4. Product characteristics

· Removes harmful foam of all sizes
· Preserves beneficial air-entrainer bubbles
· Improves concrete pore structure
· No effect on compressive, flexural or slump strength
· Does not break emulsion or form an oil ring
· Strong alkali resistance

5. Addition and dilution

Typical addition is 0.05–0.5 % on the weight of the foaming system, established in your own trial at process temperature. Emulsion grades are normally diluted with water before addition and added continuously where the foam forms continuously. Diluted emulsions are used within the working shift; do not store them long term.

6. Packaging and storage

Supplied in the packing agreed for the order — drums, IBC totes or composite cartons for powder grades. Store in the closed original packing, out of direct sunlight, within 5–35 °C, and protect emulsions from freezing. Shelf life is stated on the product label; batches are traceable by lot number.

7. Safety and documentation

A model-specific GHS safety data sheet is issued on request for every model listed above; it is not reproduced here because classification follows the exact grade and the destination regulation. Handling guidance for the family: avoid eye and skin contact, use gloves and goggles, ensure ventilation, and do not discharge concentrates to drains.

8. Contact

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