SNF — Grade 18%

Sodium naphthalene formaldehyde water-reducing agent, economy sodium sulfate (<18%) grade

GAC-SNF-18 | Concrete Water Reducer | Economy Grade

PRODUCT DESCRIPTION

Sodium Naphthalene Formaldehyde (SNF) is a series of anionic surfactant sodium salts of naphthalene sulfonic acid formaldehyde condensate, also referred to as PNS or NSF. As a low molecular weight dispersant, it is especially effective in dispersions having low solids content, and is widely used as a dispersant, leather tanning agent, and cement/concrete water-reducing agent.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

PARAMETER	TYPICAL VALUE
Appearance	**Brown / dark brown powder**
Cement Paste Fluidity	**≥ 210 mm**
Chloride (Cl-)	**< 0.5%**
pH	**7 – 9**
Surface Tension	**(71 ± 1) × 10-3 N/m**
Solids Content	**≥ 91%**
Na2SO4 Content	**< 18%**

> Values represent typical production results and are provided for reference only; they do not constitute a binding product specification. Please refer to the Certificate of Analysis (COA) accompanying each shipment for batch-specific results.

APPLICATIONS

- Water-reducing agent for cement concrete — reduces water consumption without affecting normal construction, lowering internal air-hole content and increasing hardened concrete strength
- Improves the workability of cement concrete and reduces the energy consumption of construction mixing
- Reduces cement and water usage without reducing performance or mechanical index, lowering overall construction cost
- No adverse effect on concrete shrinkage and no corrosion effect on steel reinforcement
- Also used as a leather tanning auxiliary, dye/pigment dispersant, and oil-well cement water reducer

PACKAGING, HANDLING & STORAGE

Packaging	Powder product in woven bags, net weight 25 kg ± 0.2 kg, or 500 kg / 600 kg jumbo bags
Storage	**Store in a dedicated, well-ventilated, dry warehouse**
Handling	**Protect from tearing by sharp objects during transfer; if affected by damp, the material can be dissolved into solution without loss of effect**
Blending Dosage	**0.5% – 1.0% by weight of cementitious material; 0.75% advised**