

Product Data Sheet

Cold Swelling Starch (Cold Water Soluble)

Description

Description	Cold Swelling Starch is a pregelatinized starch specifically processed to thicken and disperse directly in cold water, without requiring a cooking step. This instant-hydration property makes it the preferred grade for instant food mixes, dry-mix mortar and tile adhesive formulations, and cold-process textile printing pastes.
Applications	Instant food mix thickening (soups, desserts, gravies) Dry-mix mortar and tile adhesive formulations Cold-process textile printing pastes Applications requiring instant thickening without a heating step
Grade	Cold Water Soluble / Instant Pregelatinized Grade
CAS No.	9005-25-8 (pregelatinized starch)

Key Benefits

1. Instant dispersion and thickening in cold water – no cooking step required
2. Simplifies formulation processes for instant food mixes and dry-mix construction products
3. Consistent cold-water viscosity development supporting reliable formulation performance
4. Widely accepted standard grade across instant food and dry-mix construction industries

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Viscosity (5% Cold Water Solution, Brookfield)	Viscometer Method	cP	200 – 800 (application dependent)
Cold Water Solubility	Standard Dispersion Test	–	Instant dispersion, no cooking required
Moisture	Oven-Drying Method	wt%	Max. 12.0
pH (5% Solution)	pH Meter	–	5.5 – 7.5
Appearance	Visual	–	White free-flowing powder

Packaging

Packaging 25 kg Kraft Paper Bags (PE-lined)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated warehouse away from moisture
2. Keep bags sealed until point of use to prevent moisture pickup and premature swelling
3. Stack on pallets, away from direct ground contact
4. Use appropriate PPE (dust mask, goggles) when handling – avoid dust generation

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting cold-water viscosity, solubility and moisture against this TDS
3. COA available on request prior to shipment for buyer pre-approval

4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.