



The professional manufacture of construction chemicals

Powder SM series

Technical Data Sheet

SM

Version 20190909	
Product Name	SM
Product Description	SM is a kind of powder form superplasticizer based on sulfonated melamine formaldehyde resin, which is suitable for cementitious mortars with requirements of high fluidity and high strength.
Product Performance	<ul style="list-style-type: none">■ SM can impart mortar quick plasticizing speed, high liquifying effect, low air entraining effect.■ SM is of good compatibility with various kind of cement or gypsum binders, other additives such as de-foaming agent, thickener, retarder, expansive agent, accelerator etc.■ SM is suitable for tile grout, self-leveling compounds, fair-faced concrete as well as colored floor hardener.■ SM can be used as wetting agent for dry mix mortar to obtain good workability.
Recommending Application	<ul style="list-style-type: none">◇ Flowable mortar or slurry for grouting application◇ Flowable mortar for spreading application◇ Flowable mortar for brushing application◇ Flowable mortar for pumping application◇ Steam curing concrete◇ Other dry mix mortar or concrete
Usage & Dosage	<ul style="list-style-type: none">➤ Dry mixed homogeneously with other ingredients of dry mortar and packaged as one product, which can be at job site mixed with recommended dosage of water for application.➤ Recommended dosage is 0.3-1.2% based on binder weight. The detailed dosage should be determined by test in advance according to local raw materials and construction regulation.
Packaging Specification	<ul style="list-style-type: none">● PE-lined plastic woven bag, 25kg/bag
Storage & Transportation Condition	<ul style="list-style-type: none">● Storage and transportation should be carried out in cool and dry condition. Under high temperature and high humidity, product should be kept away from moisture and pressure to avoid coalescence or agglomeration.● If the product is not used up, the opened package must be sealed tightly to prevent moisture from ingress.
Shelf Life	<ul style="list-style-type: none">● 12 months since production.● For product stored over shelf life, test confirmation should be done before use.
Safety Data	<ul style="list-style-type: none">◆ This product is of non-toxicity, non-irritation, non-spontaneous combustion.◆ This product is approved by REACH. For detailed safety issue, please refer to MSDS.
Typical Product Data	<ul style="list-style-type: none">◇ Appearance: whitish powder◇ Bulk density: 400-700kg/m³◇ Dry loss after 30min.@ 105°C: ≤5%◇ pH value of 20% solution @20°C: 7-9◇ SO₄²⁻ ion content: 3~4%◇ Cl⁻ ion content: ≤ 0.05%◇ Air content of concrete test: ≤ 3%◇ Water reducing ratio in concrete test : ≥14%

All of data, suggestions, and proposals presented here are based on our current knowledge and experience in raw materials and application technologies, which do not exclude the responsibility of users to scrutinize the quality of all received products. Because we are out of control of quality in users' raw materials, production and application methods, service conditions as well as local standards, our suggestions and proposals do not imply any guarantee and promise for end product's quality. The users should be responsible for formulation adjustment according to real conditions to meet project quality requirements.