



## SULFONATE MELAMINE FORMALDEHYDE (SMF)

### Technical Data Sheet

Sulfonate Melamine Formaldehyde (SMF) is a superplasticizer powder based on sulfonated melamine formaldehyde resin, suitable for gypsum-based and cement-based mortars that demand high strength and superior surface quality.

It is a non-air entraining product with strong adsorption and dispersion effect for gypsum, helping mortar achieve a perfect finishing smooth surface.

### Advantages

1. The excellent flowability of SMF powder makes it easy to load during production.
2. SMF imparts mortar rapid and superior plasticizing effect, increased early strength and impermeability.
3. Exhibits excellent compatibility with various cement and gypsum binders, as well as other additives.

### Info about SMF:

Appearance: White powder.  
Bulk Density: 400-700 kg/m<sup>3</sup>  
Dry loss after 30min @105°C: ≤5%  
pH of 20% Solution @20°C: 7-9  
Sulfate ion content: 3-4%  
Chloride Ion Content: ≤0.05%  
Concrete air content: ≤3%  
Concrete water reducing rate: ≥14%





## Application:

Gypsum plaster and joint filler,  
Repair mortar and waterproof mortar,  
GRC,GRG and floor hardner,etc.

## Package:

25kg/bag (eco-friendly valve paper bag)



Store and transport goods under cool and dry conditions.  
Measures must be taken to prevent moisture,high temperatures,and  
compression to avoid clumping or caking.  
Residual product should be sealed and stored to prevent moisture  
ingress.  
Well-packaged products have a shelf life of 12 months from the  
date of production.If the expiration date is exceeded,the product  
must be tested and verified before use.

## Safety Data:

This product is non-toxic,non-irritating,and non-flammable.