



创造特种建材的无限可能  
UNLIMITED POSSIBILITIES FOR CREATING SPECIAL BUILDING MATERIALS

# CN-5011 混凝土降粘触变剂

Concrete visco-reducing agent



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CN-5011 Concrete Viscosity Reducing Thixotropic Agent is a new generation of special concrete modification materials, from a variety of cement-rich active, reinforcing components of the inorganic material, synthesised by scientific and technological process of the powder, from the physical and chemical aspects of the modification of the cementitious mortar and concrete interfacial viscosity thixotropy, reduce the free energy between the particles, the release of free water, reduce the shear stress, improve thixotropic value, thus improving the viscosity of cementitious mortar and concrete materials, improve work performance and durability. The viscosity of cementitious mortar and concrete materials can be improved, and the working performance and durability can be enhanced.

## 一 Product characteristics

- Superior rheology, reduce the plastic viscosity of concrete and mortar, high thixotropic index, improve pumpability.
- Optimise particle grading, refine capillary pore channels, improve compactness. High activity index, effectively improve the crack resistance, impermeability and durability of products, fully improve the long-term strength.
- Non-toxic, odourless, non-polluting, green environmental protection.



## 二 Scope of application

Self-compacting concrete, prestressed concrete, high-strength concrete, ultra-high performance concrete, anticorrosive concrete, wear-resistant concrete, oil well concrete and corresponding self-levelling mortar.

## 三 Performance

Performance	Indicators	Performance	Indicators
Specific surface area(m <sup>2</sup> /kg)	≥700	Inverted slump cylinder emptying time ratio(%)	≤60
Chloride ion content(%)	≤0.06	Sulphur trioxide content(%)	≤3.0
Fluidity ratio(%)	≥110	Thixotropy	Qualified
7d activity index (%)	≥90	28d activity index(%)	≥110

Note:The implementation of the standard 'Composite Admixture for Concrete' JG/T486-2015, 'Standard Test Methods for Properties of Ordinary Concrete Mixes' GB/T50080-2016, the above data are measured in the standard situation.

Recommended dosage (10%-20% of cementitious material per party of concrete), specific according to the environmental conditions and engineering conditions determined by the test

## 四 Packaging and storage

Conventional packing specification 50±0.5Kg, 1000+10kg.  
It should be waterproof and moisture-proof during transport and storage.  
Shelf life is six months in unopened, dry and ventilated environment.

