

# Product Data Sheet

Beton SP 011 (M) powder  
(10% sulfate)  
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Himadri Speciality Chemical Ltd  
PCE& SNF BUSINESS UNIT  
Advancing towards Global Leadership



## **PRODUCT NAME :- BETON SP 011 (M) powder (10% to 12% sulfate)**

(Synonyms : - Sodium salt of Sulfonated Naphthalene formaldehyde poly condensate.

BETON SP 011 Is a highly effective water reducing and dispersing agent for concrete. It is designed to formulate construction chemicals for concrete. It is compatible with all of the additives used in construction chemical formulations.

### **TYPICAL PROPERTIES**

PARAMETERS	SPECIFICATIONS
Appearance	Brown Colored Free Flowing Powder.
Moisture Content, % (w/w)	Max. 8.0
Bulk Density ca. (gm / cc)	0.60 – 0.80
pH (10% aq. Solution) @ 25 °C	7.0 – 9.0
Salt Content,% (As Na <sub>2</sub> SO <sub>4</sub> )	10.0 – 12.0
Clarity in 10% aq. Solution	Clear Solution

### **EFFECTS ON CONCRETE**

Incorporation of BETON SP 011 is used to achieve the following concrete characteristics

- Improve workability by maintaining same water cement ratio.
- Improve rheology of cement to produce pump-able and flow-able concrete.
- Reduce water quantity in concrete up to 20 -25% after making 42.5% solution of powder.
- Enhance strength of concrete due to reduced water /cement ratio.
- Strong super plasticizing effect without tendency to segregation.
- Reduce the quantity of cement in concrete.

### **SAFETY AND HANDLING PRECAUTIONS**

**Beton SP 011 (M) Powder** is a water soluble alkaline material in powder form, direct and prolonged contact with eyes and skin may cause irritation. Wash the affected area of body with plenty of tap water immediately. If irritations persist for long time please contact with doctor.

### **PACKING AND STORAGE**

**Beton SP 011 (M) Powder** can be supplied in 25kgs HDPE bags. It can also be supplied in customer's required packing size on mutual discussion with consignee.

**Beton SP 011 (M) Powder** recommended to store at ambient temperature in closed condition and to be protected from direct sunlight and rain.

**End of TDS**