



**SODIUM BENTONITE
EARTHING POWDER**

Grade- OCMA DFCP-

MADE IN



RELITE BENTONITE



RELITE BENTONITE

RELITE BENTONITE is a premium sodium-based bentonite, containing rich montmorillonite and is used as Earth (Ground) Enhancement Material. It is treated with special chemicals making it ideal for electron Earthing. RELITE BENTONITE is a hygroscopic & moisture absorbing clay and is being widely used for Ground Enchaining compound. The product has a superior water retaining capacity which ensures good ions by means of ion exchange with electrons.

RELITE BENTONITE protects the earth conductor from direct contamination and corrosion. The product has a high tendency to absorb and retain water as well as swell. This property makes it desirable for applications in grounding system resistance over a long period of time. Several commercially forms of earthing enhancement material are available such as ores, powder and granules.

TECHNICAL SPECIFICATIONS FOR EARTHING GRADE

Physical Properties

Sr	Parameters	Specifications
1	Moisture	12-14%
2	pH Value	7.5 - 9.0
3	Base Exchange Capacity	90 me min
4	Particle Size < 200 mesh	70% min
5	Water Absorption Capacity	300 min
6	Expandability / Swellability	15 - 20%

Chemical Properties

Sr	Parameters	Specifications
1	LOI	8 - 10%
2	SiO ₂	48 - 54%
3	FE ₂ O ₃	10 - 15%
4	Al ₂ O ₃	14 - 17%
5	CaO	1.5-2.5%
6	MgO	2 - 3%
7	Na ₂ O	1.2 - 2.0%



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Applicable:

Preparation of Slurry is the most important aspect for getting the best result out of RELITE BENTONITE. The slurry is prepared in the following proportion
(APPLE BENTONITE : Water Ratio)

For areas which receive good annual rainfall. The mixing ratio is 1:1, i.e. for each bag of RELITE BENTONITE (25Kg), mix 25 Litres of water.

For Dry areas which do not receive good annual rainfall, the water part in the slurry is increased to 1.4-1.5 times i.e. for each bag of RELITE BENTONITE (25Kg), mix around 35-38 Litres of water depending upon the severity of dryness.



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