



SPWP - Super Plasticiser & Water Proofing

for Better Quality & Durability

CETEX- Super Plasticiser & Water Proofing (SPWP) is an economical super- plasticiser and also acts like an integral water proofing compound in mortar and concrete. It is used as plasticiser for production of free flowing concrete for slabs, foundations, walls, beams, columns; canals, tunnels, mortars, wherever water-proofing is required. **It complies with ASTM-C-494 Type A/D, IS- 9103.**

ADVANTAGES

- ✓ It significantly improves the workability of the concrete mix. In presence of the admixture, the slump value increases resulting in ease of placing the concrete mix.
- ✓ Addition of the admixture can reduce the water content of the concrete mix, which results in more compact concrete, thereby increasing the compressive strength. This improves the durability, impermeability and frost and water resistant properties of the mix.
- ✓ It is an economical integral water-proofing compound.
- ✓ Economics in mix design can be achieved by reducing cement usage.

PROPERTIES

Type	: Lignosulphonate based
Colour	: Dark Brown/Black liquid
Specific gravity	: 1.18 +/- 0.02 at 25°C

MECHANISM

When Portland cement is mixed with water, the cement agglomerates stick to each other due to insufficient mutual electrostatic repulsion. With the presence of **CETEX-SPWP**, the attraction between the particles is reduced and the cement particle disperse, hence a more cohesive and consistent mix is achieved.

DOSAGE

150 – 400 ml per 50 kg of cement is recommended. However, field trials should be conducted to determine the optimum dosage to achieve the required condition of the mix. High dosage may result in set retardation, however it won't be detrimental to the mix design.

USAGE

CETEX-SPWP should be added to the concrete mix during the mixing cycle after addition of water.
Never add the admixture to the dry mix.

PACKING

CETEX-SPWR is available in 25, 60 or 250 kg pack or bulk. Store in frost-free condition away from sunlight or extreme heat. For best result, use within one year.