

SASplast RP30 B

High Effective Plasticizer for Controlled Retardation

PRODUCT DESCRIPTION

SAS Plast RP30B is a blend of refined Ligno Sulphonates and high molecular weight hydration control agents. RP30B is a highly effective plasticizer for ready mix concrete with high workability retention requirements. RP30B can transform plastic concrete into soft concrete without impairing the water/cement ratio, due to delayed initial and final set properties. RP30B is especially suitable for hot weather concreting. Extended vibration limits and improved trowellability properties are reducing the incidence of cold joints. The surface finishing of concrete is improved. Concreting of areas where cold joints should be avoided.

AREAS OF APPLICATION

RP30B is specially designed for use in many applications where additional workability, retention and improved compressive strengths are required.

- Hot weather concreting requiring control of initial set.
- Lower W/C ratios.
- Site batched concrete.
- Cement reduction and saving.

FEATURES AND BENEFITS

- Suitable for use over a wide dosage range with low and high cement content mixes.
- Improved Pumpability & finishability.
- Enables concrete to be placed over extended delivery distances.
- Free flowing concrete can be produced to improve compaction and reduce areas of honey combing.

- Suitable for use over a wide dosage range with low and high cement content mixes.
- Increases pigment distribution and enhances colour.
- Increased cohesion in dry mixes and higher ultimate strength.

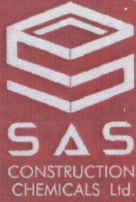
COMPATIBILITY

RP30B is compatible with all types of Portland cements, SRC cements and other cementations materials including PFA, GGBS and microsilica. RP30B is compatible with all SAS concrete admixtures.

All SAS admixtures should be added separately to concrete. Do not mix different admixtures prior to addition.

TECHNICAL PROPERTIES

Specific Gravity	:	1.12 ± 0.03@ 25°C
Appearance	:	Dark Brown Liquid
Air Entrainment	:	1 – 2% Depending on dosage
Chloride Content	:	Nil – Tested to B.S. 5075
Freezing	:	0°C, Mix before use



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CONFORMITY

RP30B conforms to following standard.
ASTM C-494- Type A & D, B.S 5075 –
Part 1 ASTM C 1017

DOSAGE

Recommended dosage range between 0.5 – 1.2 % of cement weight. The actual dosage rate applied can exceed the recommended dosage range on common mix design and should be determined in preliminary tests. Further regulations on maximum dosage rates should be observed.

EFFECTIVE DOSAGE

If the dosage rates of RP30B higher than the noted above, will result in the following.

- Extended workability retention.
- Extended retardation of initial & final set.
- Normal increase in air entrainment.

Providing that the concrete is properly cured, the ultimate strength will not normally be adversely affected. In many cases, ultimate strength will increase slightly. Early strengths will be lower than expected. Depending on the degree of over dosage, slight strength reductions may occur due to air entrainment. The effects of over dosage will be more noticeable in SRC cement. It is important to ascertain the reason for the over dosage to avoid repetition.

HEALTH & SAFETY

RP30B contains no hazardous substances. It is always advisable to avoid contact with skin or eyes.

Incase of skin contact, wash thoroughly and immediately with warm water. Wear protective goggles and hand gloves while handling. If swallowed seek immediate medical attention.

PACKING & STORAGE

RP30B is available in 210 Litre and in bulk to site installed storage tanks. RP30B should be stored in cool, shaded warehouses. Shelf life is 12 months.

Before using, homogenize sample by shaking or mixing with a mixer.

After thawing, the product must be used after mixing.