

PRODUCT DATA SHEET

PRODUCT NAME

Raymix – SP52 (Super Plasticizer)

MANUFACTURER

Société Raymond Barakeh SAL.
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DESCRIPTION

Raymix-SP52 is a liquid concrete super plasticiser that has been developed to allow concrete to attain particularly high performance in both the plastic and hardened states. It is particularly useful for imparting extreme workability to concrete mixes so that large or difficult pours can be made. Alternatively, Raymix-SP52 can be utilized to effect large water reductions to achieve high early and subsequent strength.

Raymix-SP52 is an extremely powerful deflocculating agent and performs by dispersing cement into its primary particles dramatically increasing flow characteristics of the cement paste.

APPLICATION FIELDS

- High quality concrete for durable structures.
- Reinforced and pre-stressed precast elements.
- Bridge decks and structural elements.
- Precast or in-situ structures.

ADVANTAGES

- High compressive strength concrete especially at early ages.
- Low water/cement ratio, excellent durability.
 - Good surface finish, providing highly aesthetic concrete appearance.
 - Plastic concrete exhibits high cohesion, fluidity and flow ability.
 - Savings in energy consumption when steam curing is employed.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Brown liquid
Specific gravity	@ Litre / Kg 1.2120C°
Air Entrainment	NIL
Chloride Content	NIL
Storage Life in Manufacturer's drums	12 months from date of manufacture.
Bulk Storage	12 months from date of delivery.

The information and data given is to the best of our knowledge reliable, but is given without obligation.

COMPATIBILITY

With cements: Raymix-SP52 is compatible with all types of Portland, Pozzolan, and Blast Furnace cements. It can also be used in concrete mixes containing fly ash and /or microsilica.

With other admixtures:

Raymix-SP52 is compatible with all Raymix Building Products admixtures and particularly can be used in conjunction with air-entraining agents.

It is advisable to add all admixtures separately to a cementitious mix.

METHOD OF USE

Raymix-SP52 is supplied ready to use, and should be added to concrete mixes either during the mixing cycle or at the same time as the water, or alternatively it should be added in its supplied form to a normal concrete mix a few minutes before the pour is made. In the latter case a mixing cycle of at least 2 minutes should be provided to ensure complete dispersion.

ADDITION RATES

Range: 0.8% - 3.0% by weight of cement.

The optimum dosage is assessed after preliminary trials depending upon the actual mix constituents and specifications required.

EFFECTS OF OVERDOSING

Serious overdosing of Raymix-SP52 will generally produce a concrete mix of even greater workability and set retardation but no increase in air entrainment.

In cooler weather this retardation will be further increased.

If intentional or accidental increases above the recommended addition rates are employed, care must be taken to allow for the effect on the stripping time of formwork. In such cases, however, provided the concrete is properly cured the ultimate strength will generally be higher than for normal concrete.

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment details of which are available upon request.

HEALTH & SAFETY

For further information see the Raymix-SP52 Material Safety Data Sheet, or consult Société Raymond Barakeh SAL.

PACKAGING

Raymix-SP52 is supplied in 25, 210 and 1000 litres free, non-returnable containers.

Alternatively, bulk deliveries can be arranged.

STORAGE

Raymix-SP52 requires should preferably be stored protected from frost. If the product does become frozen it should be carefully mixed after thawing out to restore it to its normal state facilities.

TECHNICAL SERVICE

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact:

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PRODUCT WARNING

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