DYNAMON SR2400

Third generation superplasticiser based on modified acrylic polymer; developed specifically for ready mix concrete industries; requiring the highest concrete quality and performance

ASTM C494 EN 934-2

DESCRIPTION

Dynamon SR2400 is a chloride-free hyperplasticising admixture formulated from polycarboxylate polymers. It complies with ASTM C494 as Type G and EN 934-2 as Table 11.1-11.2.

ADVANTAGES

Dynamon SR2400 reduces the water/cement ratio with excellent improvements in the fresh and hardened concrete properties. **Dynamon SR2400** is particularly formulated for concrete with aggregates containing clay and skill material.

USES

· High strength concrete.
· Ready mix concrete.
· Fly ash concrete.
· Silica fume concrete.
· Slag concrete.
· Mass concrete.
· Pile mixes.
· Raft foundations.
· Pouring in hot climates.

TYPICAL DOSAGE

The optimum dosage of **Dynamon SR2400** to meet specific job site requirement should be figured out by site trials using the selected cement, mineral additions and aggregates. For normal concrete 0.5-1.5 l/100 kg of total cementitious content. For high performance concrete 0.8-2.0 l/100 kg of total cementitious content. Different dosage from those suggested must be previously tested through concrete trials, in addition to consulting MAPEI Technical Services Department.

EFFECT OF OVERDOSING

An overdose of **Dynamon SR2400** will not adversely affect concrete setting times. For any clarifications please contact your local MAPEI technical representative.

DISPENSING

Dynamon SR2400 is a ready to use liquid which should be added to the concrete mix using a recommended dispenser. To maximize the e-ect of the admixture we suggest the admixture is added subsequent to adding 50-70% of the mixing water. All admixtures are to be added to the concrete mix using a calibrated automatic dispenser. Where multiple admixtures are used in the same mix, they must be added separately to the mix.

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PACKAGING

Dynamon SR2400 is normally supplied in bulk, however, on request, it may also be provided in 200 litre drums and 1000 litre totes.

STORAGE

Dynamon SR2400 can be stored for 12 months in sealed containers. Protect from frost and direct sunlight.

COMPATIBILITY WITH OTHER MAPEI PRODUCTS

Dynamon SR2400 is not compatible with all other superplasticisers based on naphthalene material. Consult MAPEI local technical advisor for further informations.
It is compatible with other MAPEI products for preparing special concretes, particularly with:
· **Mapeplast RP100**, retarding plasticizer;
· **Viscostar 3K**, viscosity modifying agent for self compacting concrete.
· **Mapeplast SF**, silica fume powder for reinforcement protection from corrosion and high durability concretes in all aggressive and marine environment.
· **Expancrete**, expansive agent for producing shrinkage compensating concretes.
· **Mapetard RCC ME**, liquid retarding admixture with plasticising effect

SPILLAGE AND DISPOSAL

Spillage of **Dynamon SR2400** should be absorbed onto sand or earth and transferred to suitable containers. Disposal of waste material should be carried out in full accordance with prevalent legislation and local waste authority guidelines. Refer to the product Material Safety Data Sheet for further information.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Dynamon SR2400 is irritant and may cause sensitization when it comes into contact with the skin of those predisposed. When applying the product, use protective gloves and goggles and take the usual precautions for handling chemical products. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.
For further and complete information about the safe use of our product please refer to our latest version of the Material Safety Data Sheet.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	light to dark brown
Density (ISO 758) (g/cm3):	1.06±0.02 at +25°C
Classification according to EN 934-2:	set retarding/ high range water reducing superplasticizing admixtures, T 11.1 - 11.2
Classification according to ASTM C494:	type G
Chlorides according to EN 934-2:	nil
pH (ISO 4316):	4.5±1.5

IMPORTANT NOTES

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. it is therefore important that installers satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification. The installer should ensure that our latest product data and safety information sheets have been consulted prior to use.
Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com.

All relevant references for the product are available upon request and from www.mapei.com.

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