

Dynamon SX 37

High-Range, Water-Reducing Admixture

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Dynamon® SX 37 is a high-performance admixture for concrete that is based on polycarboxylate technology and belongs to MAPEI's *Dynamon* system. *Dynamon* SX 37 meets the requirements of ASTM C494 Types A and F and AASHTO M194 Types A and F.

WHERE TO USE

Concrete manufactured with *Dynamon* SX 37 has a high level of workability and exhibits excellent mechanical properties when hardened.

Dynamon SX 37 has been designed for use in both ready-mix and precast/prestress applications and where there is the need for greater water reduction, along with high mechanical strength throughout the curing process.

The product's performance makes it particularly suitable for manufacturing self-consolidating concrete (SCC). *Dynamon* SX 37 ensures high workability and cohesiveness in all concrete mixes.

The main application of *Dynamon* SX 37 is the production of:

- Concrete for high mechanical performance with long retention of slump.
- Concrete for durable structures.
- Concrete with mid- or high-strength performance.
- Self-consolidating concrete (SCC).

MIXING

Dynamon SX 37 may be added with the initial mixing water or as a delayed addition. *Dynamon SX 37* develops maximum dispersing action when added after the other mix ingredients (cement, aggregates, mineral addition or filler, and at least 80% of the mixing water) and before the viscosity-modifying admixtures.

COMPATIBILITY WITH OTHER PRODUCTS

Dynamon SX 37 is compatible with most products for preparing quality concrete. It is especially compatible with:

- MAPEI non-chloride accelerators for reaching very high mechanical strengths at early ages.
- MAPEI retarders and slump extenders.
- MAPEI air-entraining admixtures.
- Viscosity-modifying admixtures.
- *Mapecore ECO 31* form-release agent for releasing concrete from formworks.
- Expansive agents and shrinkage-compensating admixtures for producing shrinkage-resistant concrete.
- Curing compounds from the *Mapecure* product line for protecting against rapid water evaporation.
- Silica-fume-based powder additions.
- Class C and Class F fly ash.
- Various types of limestone fillers for manufacturing self-consolidating concrete and any other type of concrete that requires these fillers.
- All types of Portland cement.

MAPEI's Technical Services Department is available to evaluate which admixtures or admixture packages are most suitable for any specific need. Contact MAPEI's Technical Services Department for further advice.

Do not use *Dynamon SX 37* in conjunction with admixtures containing naphthalene sulfonate. Fresh concrete properties may be adversely affected.

DOSAGE RATES

Dosage by volume:

Use from 1 to 11 U.S. oz. per 100 lbs. (65 to 720 mL per 100 kg) of cementitious material. Dosage rates outside of the suggested range should be tested before being used in production. Contact MAPEI's Technical Services Department for assistance.

PACKAGING

Dynamon SX 37 is available by bulk delivery, in 55-U.S.-gal. (208-L) drums and in 275-U.S.-gal. (1 041-L) totes.

STORAGE

Dynamon SX 37 can be stored for 1 year in sealed containers. Protect from freezing.

Exposure to direct sunlight can cause slight color variations without altering the performance of the product in any way.

Technical Data

Consistency	Liquid
Color	Amber
Primary function	Increases workability and/or reduction of mixing water
Classification according to ASTM C494	Types A and F
Classification according to AASHTO M194	Types A and F
Corrosivity	Non-corrosive. <i>Dynamon SX 37</i> does not contain calcium chloride or other chloride-based components. Its use will not contribute to the increased corrosion of reinforcing steel in concrete.

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA).

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

CONTACT INFORMATION

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For the most current product data and BEST-BACKEDSM warranty information,
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