

AFEC E.R.M.A Ltd.

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Product name: R -1080

Supplier: AFEC e.r.m.a Ltd.

Manufacturer: AFEC e.r.m.a Ltd.

Description R 1080 is a high-performance retarding admixture, based on modified polymers. particularly recommended for ready mix concrete and civil Engineering construction.
R 1080 intends to create an increased period of workability retention.
It allows manufacturing concrete with long workability retention.
R 1080 may be used in a large concrete range.
R 1080 is compatible with most of the cement's types.
R 1080 complies with the Israeli standard 896 part 1 and EN 934 part 2.

Fields of

applications:

- Manufacturing of ready mixed concrete.
- Manufacturing high quality and high durability concrete.
- Manufacturing of long open time concrete with high density, low permeability.
- Manufacturing ready mixed concrete with long delivery time.

Advantages

- Medium to Low water/cement ratio.
- Concrete with no segregation or bleeding.
- Compatible with all kind of superplasticizers
- R 1080 can work with low cement content without changing the concrete properties.

Properties:

Color: clear to white	Nature: Liquid
PH: 6 ± 2	Density: $1,08 \pm 0,02$
Na ₂ O equivalent: $< 0,05 \%$	Cl ⁻ ions contents: $\leq 0,01 \%$
Dry extract (EN 480-8): 14 ± 1	Dry extract (halogen): 14 ± 1

Direction of

R 1080 can be put in the mixer with the first amount of water before the dry ingredients. The mixture should be mixed for 5 minutes in the fastest range

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- use:** possible.
Correct the needed water content.
At site before discharging mix at high speed for several minutes.
- Precautions and limitations:** Overdose of R 1080 will make a mix with a very long initial setting time.
- Remarks:** Before beginning the work, you should make a trail mix at the laboratory and adjust the concretes desired properties.
- Accumulation:** Liquid
- Chemical Stability:** Stable between 6°C-55°C
- Possible health Influence:** Low toxic range. Do not swallow.
- First aid:** Rinse with water and seek medical advice.
- Personal Hygiene:** Do not inhale! Protect eyes during use. Use relevant shield. Rinse hands after use.
- Dosage:** 0.1%-1 % of the cement content in 1m³ of concrete.
- Package:** Plastic containers of 20 liters/ 200 liters drums / 1000-liter mini containers.
- Handling & storing:** Closed packages – up to 9 months in closed containers
Do not expose to direct sunshine.