

AFEC E.R.M.A Ltd.

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אפק א.ר.מ.ע בע"מ

ת.ד. 13379 אזוזה"ת הישן, נתניה 4237927
טל. 072-2121311
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Product name: NPH-40

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

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

Description: NPH-40 is a high-performance super plasticizer, based on modified SNF. particularly recommended for ready mix concrete and civil Engineering construction.
NPH-40 intends to create a high-water reduction
NPH-40 is compatible with most of the cement's types.
NPH-40 complies with the Israeli standard 896 part 1 and EN 934 part 2.
Admixture for manufacturing inside and outside walls plaster.

Fields of application:

- Manufacturing of pre-cast elements
- Manufacturing of ready mixed concrete.
- Manufacturing high quality and high durability concrete.
- Manufacturing of high-performance concrete with high density, low permeability
- Manufacturing concrete with high early strength (18-24 hours) and final strengths.

Advantages:

- Low water/cement ratio.
- Flowable concrete with no segregation or bleeding.
- Less or no vibration required even in case of high steel reinforcement
- Less workmanship required
- Improves concrete durability.
- NPH 40 can work with low cement content without changing the concrete properties.

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Properties:

Color: Brown	Nature: Liquid
PH: 8 ± 2	Density: $1,2 \pm 0,03$
Na ₂ O equivalent: $< 1,0 \%$	Cl ⁻ ions contents: $\leq 0,05 \%$
Dry extract (EN 480-8): $41,3 \pm 1\%$	Dry extract (halogen): $40,8 \pm 1\%$

Direction of use:

NPH-40 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 possible.

Correct the needed water content.

At site before discharging mix at high speed for several minutes

Precautions and limitations:

Overdose of NPH-40 will make the mix unworkable.

Remark:

Before beginning the work, you should make a trail mix at the laboratory and adjust the concretes desired properties.

Accumulation:

Powder

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:

0.7%-2.0% of the cement content in 1m^3 of concrete.

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Package: Plastic containers of 20 liters/ 200 liters drums / 1000-liter mini containers.

Handling and storing: Closed packages – up to 12 months in closed containers
Do not expose to direct sunshine.