

Shrinkage reducing, impermeability and flexibility enhancing concrete admixture

## DESCRIPTION

DURACEM SX 40, providing concrete impermeability and flexibility, but also concrete and mortar drying shrinkage experienced during the hydration water, and cracks can occur as a result - shrinkage inhibiting liquid admixture.

## STANDARTS

ASTM C-494 Type S

## APPLICATION

- \* Tightness in the desired concrete structures.
- \* Structures exposed to thaw frost.
- \* Water reservoirs, dams, water treatment plants, swimming pools.
- \* Chemical and environmental impact on the strength of concrete.
- \* Spraying concrete.
- \* Precast concrete.
- \* Prefabricated structural elements.

## ADVANTAGES

DURACEM SX 40 additives used in concrete's mechanical strength (bending, impact, such as erosion) increases.

- \* Inhibits the rapid decline of the concrete mixing water.
- \* Increase the concrete chemical resistance.
- \* Increases resistance to cracking.
- \* Flexibility allows.
- \* Waterproofing provides.
- \* Can be used in all weather conditions.
- \* Provides protection against corrosion due to the prevention of fractures of steel reinforcement in concrete.
- \* There is no corrosive effect of the additive, does not damage the equipment.
- \* Concrete work fewer joints need to be heard.
- \* Reduces Carbonized.
- \* Allows the increase of the concrete's durability.
- \* Prevents shrinkage.

## COMPATIBILITY

- DURACEM SX 40 is compatible with the following;
- \* All Portland and other types of cement in accordance with ASTM standards.
  - \* Polycarboxyl based on hyper plasticizer concrete admixture
  - \* Silica fume, fly ash mineral additives

## DOSAGE IN USE

In ready mix concrete plant with water;  
The dosage of DURACEM SX 40 is 0.5 – 1.5 kg for every 100 kg of cement, to be added in mixer with the last mix water. (after 70% introduction of the mix water)  
Transmixers into the concrete at the construction site ready in age:  
Transmixers over the age of ready-mixed concrete, mixer rotates, DURACEM SX 40 contribution is added to the concrete. Concrete is poured after mixing at least 5 minutes.

## PRECAUTIONS

Use gloves and avoid contact with eyes and skin. Consult a physician if contact with eyes and skin.

## PACKING AND STORAGE

DURACEM SX 40 is available in bulk, 30 kg and 250 kg drums, 1200 kg plastic cubitainers  
If stored in between +5 °C / +25 °C in its original packaging shelf life is more than 1 year