

# SOLUTION PARTNER

# CONCRETE ADMIXTURE







# **Polisan Holding:**

Polisan Holding has been was established in 2000 in order to maintain provide coordination within among and management of the group companies, provide management for them, and to ensure thosee group companies operate using employ advanced techniques in the area of planning, marketing, financial affairs, financing and fund management, legal affairs, human resources, and information technology; and that the Holding continues its operations in this direction.

## Subsidiaries:

Polisan Kimya Sanayii A.Ş. / Türkiye Poliport Kimya Sanayi ve Ticaret A.Ş. / Türkiye Polisan Yapıkim Yapı Kimyasalları Sanayi ve Ticaret A.Ş. / Türkiye Polisan Hellas SA / Greece

# Polisan Yapıkim Yapı Kimyasalları Sanayi ve Ticaret A.Ş.

Polisan Holding, which has been providing construction chemicals solutions to the construction industry since 2009, continues its activities with its new company, Polisan Yapıkim, established in 2022.

## Concrete

We produce solutions that provide added value to ready-mixed concrete and precast concrete manufacturers.

## Cement

We are the solution partner of the cement industry, from grinding to performance, from energy to emissions.

### Underground

We are present in tunnels with our temporary shoring solutions and the chemicals we provide to tunnel boring machines.





# **CONCRETE ADMIXTURE**

#### **READY CONCRETE ADMIXTURE**

#### PLASTICIZERS

**EXTRATON:** Based on modified sulfonate compounds, the process to improve workability of fresh concrete, water reducing plasticizing concrete admixture.

#### SUPER PLASTICIZERS

**SUPERTON:** SUPERTON is modified sulfonate based, highly water reducing, strength improving and superplasticizing concrete admixture.

**POLITON:** POLITON is a ready to use polycarboxylate based superlasticiser, high range water reducing admixture.Lowers the water/cement ratio and improves the properties of fresh and hardened concrete.

**ULTRATON:** New generation super-plasticizer concrete admixture. Super-plasticizer, polymer based concrete admixture which is developed for precast and ready-mixed concrete and allows concrete to gain fluidity.

#### **SET TIME RETARDERS**

**RETARTON:** RETARTON concrete admixture delays the setting as much as needed. Prevents the concrete from losing its viscosity fast, provides for extended viscosity protection depending on the type of cement used. Prevents shrinkage cracks that may result from high hydration temperatures. Used at concrete pouring applications at high temperature regions.

#### SET TIME ACCELERATOS

**ANTITON:** ANTITON is a concrete admixture composed of chloride-free chemical compounds, which shortens the setting and stiffening period of the fresh concrete.

This feature provides early stripping and minimizes the risk of exposure to freezing by increasing the initial strengths without lowering the workability and late resistance of the concrete in all kinds of environmental conditions, especially in cold climate conditions.

#### **AIR ENTRAINERS**

**AIRTON:** AIRTON is a ready to use air entraining additive that entrain well distributed and correct size air into concrete thanks to its special air entraining components.

#### **DEMOULDING AGENTS**

**MOLDTON:** MOLDTON is mineral oil based, mould release agent that provides easy separation of the moulds from concrete and creates smooth concrete surfaces.

#### WATER PROOFING CONCRETE ADMIXTURE

**PROOFTON:** PROOFTON is a chemical additive that helps to increase the water impermeability of concrete by filling the capillary gaps without changing the water/cement ratio in the concrete mixture through various chemicals.

#### **RETEMPERING ADMIXTURES**

**REMIXTON:** REMIXTON is a ready to use plasticizer concrete admixture used to improve viscosity of concrete in the place pouring. Allows concrete produced at concreteplant with low consistency to be poured in the field without giving any concessions from its quality and strength.

#### SPECIAL ADMIXTURES

**SPECIALTON:** It is a synthetic rubber - acrylic polymer based mortar additive used for cement-based plaster and repair mortars, which increases the chemical resistance and strength of the mortars, provides impermeability and creates a strong and permanent bond by providing high adherence to the surface on which it is applied.

#### PRECAST CONCRETE ADMIXTURE

#### SUPER PLASTICIZERS

**ULTRATON PF:** New generation super plasticizer concrete additive. It is a specially designed concrete admixture developed for precast and ready-mixed concrete, providing fluidity to concrete, super plasticizer, early strength supporter, modified polymer-based, high water reducing concrete admixture.

#### SET TIME ACCELERATOS

**RAPIDTON:** It shortens the hardening time of concrete. They are chemical additives that have the effect of shortening the hardening time and increasing the early strength of concrete in cold weather conditions, giving the concrete the ability to take early formwork and fast loading.

#### **DEMOULDING AGENTS**

**MOLDTON:** MOLDTON is mineral oil based, mould release agent that provides easy separation of the moulds from concrete and creates smooth concrete surfaces.







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