

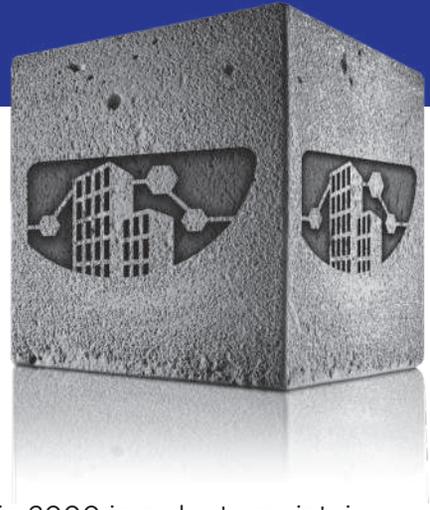


**Polisan**  
YAPIKİM

**SOLUTION  
PARTNER**

UNDERGROUND  
CHEMICALS

 **Polisan**  
HOLDING



## **Polisan Holding:**

Polisan Holding has been established in 2000 in order to maintain provide coordination within among and management of the group companies, provide management for them, and to ensure those 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.



# UNDERGROUND CHEMICALS

## SHOTCRETE CONCRETE ADMIXTURE

### ALKALI SET TIME ACCELERATOR

**UNDERTON AL:** UNDERTON AL is a liquid accelerator for the wet spray shotcrete process.

### ALKALI-FREE SET TIME ACCELERATOR

**UNDERTON AF:** UNDERTON is a high performance alkali-free set accelerator for sprayed concrete.

## TBM SOLUTIONS

### FOAMING AGENTS

**UNDERFOAM:** Underfoam is a foam agent that has been developed to reduce abrasion for tunnel boring machines (TBM) against abrasive rocks and soft soil containing abrasive mineral. It is designed to ensure dust suppression, temperature reduction, and abrasion reduction.

### TAIL SEAL GREASE

**UNDERTAIL SG:** UNDERTAIL SG is tail brush filler for tunnel boring machines with tail brush grease shield. It effectively prevents the entry of water, grout and ground by filling the gap between the shield and the concrete segments. It is designed to withstand high water and ground pressure, be easy to pump and provide excellent adherence to different types of surfaces.

## MINING SOLUTIONS

### PHENOLIC FOAM

**ULTRAFOAM:** 2 component phenolic foam designed for rapid filling of large voids and cavities. ULTRAFOAM 25/5 have high foaming factor and very good resistance to fire.



## UNDERGROUND CHEMICALS



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