

REPABET®

REPABET® is reduce the duration of repair works and open to the service in a short time for use in roads exposed to heavy traffic, repair works of concrete apron,slab on grades and runways.

Constituents of Concrete

During REPABET® production, according to the national-international standards qualified materials are used Raw materials that have provided their competence accordaning to national and international standards are used.

Cement: CEM I or CEM II type cements produced by OYAK Cement Group factories.

Aggregate: All aggregates are obtained from specially selected sources in accordance with test results.

Chemical additives: Specially developed new generation super plasticizer that provides full compliance with used cement and chemical additives that provide early strength are used.

Setting time: REPABET® has the properties to preserve the initial consistency and workability. Setting time can be adjusted. Performs high early compressive strength and flexual strength.

Areas of Use

- Apron and runways repair works,
- Concrete roads repair works,
- Industrial slab on grade repair works,
- All kinds of floor repair works where is need quickly open to the service.

Properties

- High flow consistency,
- High abrasion resistance,
- Controled crack development by early high flexual strength, ,
- Freeze&Thaw resistance,

Used in the Following Projects

- "Atatürk" Airport



Properties of Fresh and Hardened Concrete

| Consistency (Slump) Class | Life Time | Total Air Content | Compressive Strength (MPa) | | | |
|---------------------------------|--------------|----------------------|----------------------------|---------------------|---------------------|---------------------|
| | | | $f_{c,m}$ 8 hour : | $f_{c,m}$ 10 hour : | $f_{c,m}$ 12 hour : | $f_{c,m}$ 24 hour : |
| S4 and S5 | *1 Hour | %4 <...< %8 | 10-15 MPa | 20-25 MPa | 25-30 MPa | 40-45 MPa |

*at 20°C ambient temperature