**EN 934-2 TABLE: 4**

**AYDOS**

**Water retaining admixtures**

**Admixtures for concrete;** Material added during the mixing process of concrete in a quantity not more than 5 % by mass of the cement content of the concrete, to modify the properties of the mix in the fresh and /or hardened state. **Water resisting admixture;** Admixture which reduces the loss of water by a reduction of bleeding

**Chemical Properties**

**EN 934-2 Çizelge 1 - General requirements**

|  |  |  |
| --- | --- | --- |
| **Characteristics** | **Specification** | **Test Method** |
| Homogeneity | Homogeneous when used. Segregation shall not exceed the limit stated by the manufacturer. | AY-TA.001  Visual |
| Color | Uniform and similar to the description declared by the manufacturer. | AY-TA.001  Visual |
| Relative Density | D ± 0.03 if D > 1,10  D ± 0.02 if D ≤ 1,10  Where D is the manufacturer's stated value of density. | TS 781 ISO 758 |
| pH Value (20 0 C) | Manufacturer's stated value ± 1 or within manufacturer's stated range. | TS 6365 EN 1262 |
| Dry Content (%) | 0.95 T ≤ X < 1.05 T, if T ≥ 20 %  0.90 T ≤ X < 1.10 T, if T < 20 %  T is manufacturer's stated value % m/m.; X is test result % by mass on dry material content. | TS EN 480-8 |
| Chloride Content (%) | Either ≤ 0.10 % by mass or not above the manufacturer's stated range. | TS EN 480-10 |
| Alkali Content (%) | Not above the manufacturer's stated maximum. | TS EN 480-12 |
| Effective Component (%) | Infrared spectra to show no significant change with respect to the effective component when compared to reference spectrum provided by the manufacturer. | TS EN 480-6 |
| Freezing Point (%) | Not above the manufacturer's stated maximum. | AY-TA.011 |
| Corrosion Behavior | Contains only components according to EN 934-1:2008, Annex A.1 | |
| Dangerous Substances | Comply with annex ZA | |
| Dosage | Dosage of contribution is based on the aggregate properties, water quality, concrete class, water-cement ratio and temperature of place. | |
| Shelf Life | 12 Months | |

**Performance requirements**

EN 934-2 Table 4 Specific requirements for water retaining admixtures (at equal consistence)

|  |  |  |
| --- | --- | --- |
| Essential Characteristics | Performance | Harmonised  Technical Specification |
| Bleeding | Test mix ≤ 50 % of control mix | EN 480-4 |
| Compressive strength | At 28 days  Test mix ≥ 80 % of control mix | EN 12390-3 |
| Air content in fresh concrete | Test mix ≤ 2 % by volume above control mix unless otherwise stated by the manufacturer | EN 12350-7 |

**Areas Of Application**

Increases pumpability.

**Storage/Shelf Life**

Original, unpacked and undamaged products (drums, barrels, containers IBC) should be stored away from direct sunlight and frost at temperatures from +5ºC to +35ºC. In case the product is stored in an unsuitable environment and it freezes, the product should be thawed at ambient temperature without using direct heat and should be stirred using mechanical methods until it is homogenous. When stored under suitable conditions, the shelf life of the product is 12 months from the date of production.

**Health and Safety**

Please use protective clothing, protective gloves, full goggles and a face mask according to Occupational Health and Safety Regulation. Avoid contact with skin and eyes. In case of contact, rinse with plenty of water. In case of digestion, please seek medical attention. For transportation, storage, disposal of the product, its physical, ecological, toxicological information and other details and recommendations please refer to the Safety Data Sheet of the product.