

# ARSET SURFACE

## SURFACE RETARDER FOR EXPOSED AGGREGATE CONCRETE

### Product Definition

**ARSET SURFACE** is water based, single component, solvent free surface retarder, used for exposed aggregate concrete production.

### Technical Properties

Chemical base	Polyhydroxyl
Color, Appearance	Brown liquid
pH	4-8
Density	1,21 ± 0,03 g/cm <sup>3</sup>
Compliance with Standards	TS EN 934-2

### Advantages

- Delays cement hydration on the surface of the concrete.
- Reduces roughening labor costs.
- Easy to apply.
- Solvent free.
- May be diluted depending on the application purposes.

### Area of Use

- Architectural applications that require exposed aggregate finish for precast or on site concrete production (wash concrete, exposed aggregate concrete)
- Roughening of fresh concrete surfaces on horizontal construction joints
- Easier to apply comparing to physical abrasion treatments such as sand blasting, chipping and cement finish applications
- It helps plastering and cement finish applications

### Consumption Dosage

**YAPISET SURFACE** is used 100-200 kg/m<sup>2</sup> depending on the absorbency and roughness of formwork, required dilution rate and roughening depth.

### Method of Application

**ARSET SURFACE** The depth of the retarded layer depends on the applied product quantity, time passed until the retarder is removed from surface, water and cement quantity in the mix and ambient temperature.

It can be applied by a brush, roller or spray equipment.

Must be used with clean formwork. Can be diluted with clean water at a ratio 1:1 to 1:3 depending on the impact. If the product will be applied to concrete surface, it should be applied right after the end of initial bleeding of the concrete and before initial set.

### Method of Application-(cont.)

If applied to formwork surface, casting of concrete must follow application immediately.

Must be protected from rain and frost.

Depending on ambient temperature and curing conditions, formwork must be struck as soon as possible and washed with pressurized water and brushed if necessary.

### Compatibility with other admixtures

**YAPISET SURFACE** is compatible with all YAPICHEM concrete additives; however site trials are advisable if it will be used with set retarder or set accelerating admixtures

### Packaging

- 35 kg plastic drum

### Storage and Shelf Life

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 6 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

### Warning

Must be stored at temperatures between +5 and +35 .Under proper storing conditions, the product's shelf life is 2 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

### Safety Measures

Use protective clothes, gloves, glasses and mask compatible with health and safety regulations during the application. Avoid direct contact with eyes and skin during storing and application, in case of contact wash off thoroughly with soap and water, if ingested seek medical attention immediately. Store away from all foodstuffs. Keep away from children. For detailed safety information please consult the product's Material Safety Data Sheet.

*Responsibility: The information given in this technical data sheet is based on the applications carried out in our field of production and latest technological developments. YAPICHEM KİMYA SAN. A.Ş. is only responsible for the quality of product. YAPICHEM KİMYA SAN. A.Ş. cannot be responsible for the results due to the wrong use of the product and/or apart from the written recommendations regarding the area of use and application method. This technical data sheet makes the prior issues void.*