

## Air Entraining Concrete Admixture EN 934-2 Table.5

### Product Description

**EKAN®AIR 21** forms permanent microscopic bubbles within concrete and mortar. **EKAN®AIR 21** actively protects the concrete against the freezing/thawing cycle and the movement of salt released due to thawing.

**EKAN®AIR 21** has also a plasticizing effect on fresh concrete. It restricts and reduces the amount of segregation and even concrete bleeding.

The use of **EKAN®AIR 21** prevents many of the incompatibility problems among concrete, sand and admixtures.

Its high efficiency motion feature enables compatibility with all superplasticizers.

### Technical Data

- Appearance: Homogeneous
- Colour: Light yellow
- Density: 1,005 ±0,03 kg/L
- pH: 8.00 ±1.5
- Chloride Ion Content: < 0,1%

### Packaging

- Bulk
- Barrel: 215 L
- Plastic Tank: 1000 L

## Application Guidelines

### Area of Use

- All types of concrete
- Highways, runways
- Dams, reservoirs
- Marine structures
- Shotcrete
- Concrete likely to be exposed to freezing/thawing

### Application

Dosage: 0,2 kg – 0,8 kg for 100 kg of cement.

**EKAN®AIR 21** fully dissolves in water. Recommended means of application is adding the admixture to the mixing water before concrete mixer.

Optimum dose of **EKAN®AIR 21** should be established after local tests considering expected mechanical properties of the cement and workability of the mixture.

For detailed information, please consult with the EKAN Technical Sales team.

### Measures

- **EKAN®AIR 21**'s shelf life is 12 months when stored in its original package and away from direct sunlight.
- After a long idle period, shake, mix the product or use a circulation pump to homogenize it before use.
- After a freezing-thawing cycle, mix the product before use.
- Avoid contact with eyes and skin. Detailed health and safety information is available in the Material Safety Data Sheet (MSDS). Consult with our specialists.