

Ekan® AIR 21

Liquid additive for the formation of permanent microbubbles in concrete subjected to freeze-thaw cycles



Precast Admixtures
Air-entraining Admixtures

T.5



CHARACTERISTICS

EKAN® AIR 21 forms permanent microscopic bubbles in concrete and mortar. **EKAN® AIR 21** provides active protection for concrete against freeze-thaw cycles and the movement of salt released due to thawing.

EKAN® AIR 21 also has a plasticizing effect on fresh concrete. It limits and reduces the amount of segregation as well as concrete bleeding.

The use of **EKAN® AIR 21** avoids many of the incompatibility issues between concrete, sand, and additives. Its high-efficiency movement characteristic promotes compatibility with all superplasticizers.

INSTRUCTIONS FOR USE

Areas of use

- All types of concrete
- Highways, runways
- Dams, reservoirs
- Marine structures
- Shotcrete
- Concrete exposed to freeze-thaw

Application

Dosage: 0.2 kg – 1.5 kg per 100 kg of cement. **EKAN® AIR 21** is completely water-soluble. It is recommended to add the product to the second half of the mixing water. The optimal dosage should be determined after local testing of the desired mechanical properties of the concrete and the workability of the mix. For further details, please contact **EKAN** technical sales staff.

TECHNICAL DATA

Appearance: Homogeneous

Color: Light brown

Density: 1.05 ± 0.03 kg/l

pH: 6.00 ± 1.5

CERTIFICATIONS



14001 : 2015



45001 : 2018



9001 : 2015



EN 934-2



EN 934-5

PRECAUTIONS

The shelf life of EKAN® AIR 21 is 12 months when stored in its original packaging in a dry environment protected from direct sunlight.

After a long period of inactivity, shake, stir the product, or use a circulation pump to homogenize it before use.

After a freeze/thaw cycle, stir the product before use.

Avoid contact with eyes and skin.

Detailed health and safety information is available in the Material Safety Data Sheet (MSDS).