

Corrofoam

High performance foaming agent

Reference No.	TDS / ADMIX / Foam
Issue Date:	August 2016
Revision No.	1

Product Features

Corrofoam is chemical blend of organic compounds intended to assist the generation of stabilized air-entrainment during the production of low density concrete and mortar systems. The product is specifically intended for the production of low density mortar systems such as perlite and vermiculate.

Corrofoam can also be used as normal air-entraining agent for conventional concrete and mortars.

Benefits

- Creates a matrix of stable, evenly distributed air bubbles in both the fresh and hydrated system employed.
- Prevents segregation of the cement and low density aggregates such as vermiculite / perlite or other low density aggregates such as polystyrene beads.
- Reduces density due to air-entrainment increases the workability of the mix.
- Has all the attributes of conventional air entraining admixtures.
- Does not retard or affect the hydration characteristics of concrete or mortars.
- Reduces overall mass density up to 30% depending on the system used by and mixing equipment employed.
- Increase cohesiveness - preventing separation of dissimilar materials and differing densities.
- Improves workability - the micro air bubbles entrained act as ball bearings, lubricating the mix.

Areas of application

Corrofoam is recommended for all concrete and mortar mixes where low density and entrained air is required.

1. All types of cement
2. Highway slabs, runways
3. Dams, resevoirs
4. Road and maritime construction
5. Compensation of the harshness of some natural sand with low fine particle content
6. Concrete exposed to thaw
7. Extruded concrete

Description

Corrofoam is a chemically stable liquid.

1. Nature : liquid
2. Colour : straw colour clear solution
3. Density : 1.01 ± 0.02
4. pH : 7 ± 2

Corrofoam does not contain any purposely added calcium chloride or other chloride based components. It will not

promote or contribute to corrosion of reinforcing steel in concrete.

Packaging

- IBC : 200 L

Standard specifications

Corrofoam conforms to BS-EN 934

Directions for use

Dosage

Between 100 and 1000 ml per 100 kg of cement.
A 0.4% dosage of the product to the weight of cement is commonly used.

Corrofoam is completely miscible in water. It should be added along with the mixing water to maximise its effect. The correct quantity of **Corrofoam** should be measured using a recommended dispenser. The optimum dosage of **Corrofoam** can only be established after trial tests, taking into account local conditions, materials and specification requirements.

Because local job conditions vary, please contact your local Corrotech sales representative for further assistance if using outside recommended dosage ranges.

Compatibility

Corrofoam is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride, fibers.

Precautions

Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.

Spillages of **Corrofoam** should be absorbed onto sand or vermiculite and disposed through authorised waste management companies. Remnants can be hosed down with large volumes of water.

Corrofoam is compatible with other **Corromix admixtures** when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition.

Shelf life: 12 months

Safety

Corrofoam is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.