



**APPLICATION INSTRUCTION OF KALMATRON® KF- $\alpha\beta\gamma$
BY STREWING AND AS AN ADDITIVE**

KALMATRON® KF- $\alpha\beta\gamma$ is a cementitious radiation shielding material for attenuation of remedial and industrial radiations of the building and structures and decontamination of radioactively contaminated environments applicable as an admixture to the concrete/grout mixes.

KF- $\alpha\beta\gamma$ is applicable by any known technique of concrete, shotcrete, gunite or stucco application.

KF- $\alpha\beta\gamma$ BATCH PREPARATION

■ **APPLICATION OF KF- $\alpha\beta\gamma$ AS AN ADDITIVE**

1. Prepare conventional concrete mix. Check level of exposed radioactive source.
2. Use testimonial dosages of KF- $\alpha\beta\gamma$ as **90 Kg/m³; 170 Kg/m³ and 280 Kg/m³** to obtain required attenuation of radiation for concrete structures with thickness up to **20 cm**.
3. Use testimonial dosages of KF- $\alpha\beta\gamma$ as **75 Kg/m³; 125 Kg/m³ and 200 Kg/m³** to obtain required attenuation of radiation for concrete structures with thickness at **20 cm to 30 cm**.
4. Use testimonial dosages of KF- $\alpha\beta\gamma$ as **30 Kg/m³; 75 Kg/m³ and 100 Kg/m³** to obtain required attenuation of radiation for concrete structures with thickness over **45 cm**.

APPLICATION OF KF- $\alpha\beta\gamma$ BY STREWING

1. Determine the source of radiation and take first reading.
2. Strew the first dry batch of KF- $\alpha\beta\gamma$ powder on it and take second reading.
5. Strew KF- $\alpha\beta\gamma$ dry powder until safety requirements will be achieved.

■ **SAFETY**

Operation with KALMATRON® KF- $\alpha\beta\gamma$ is similar to stucco & plaster jobs. Always use approved respirator and rubber gloves just like for stucco application. In a case of KALMATRON® KF- $\alpha\beta\gamma$ is inhaled or gets in contact with eyes or skin, wash abundantly with water. KALMATRON® KF- $\alpha\beta\gamma$ is non-toxic, non-flammable and non-explosive.

■ **WARRANTY**

Company warrants that the manufactured product is free from material and workmanship defects and shall conform to specifications. In the event any product proves defective, Companies' liability will be limited to replacement of the batch proven to be defective, and in no case shall Company be liable otherwise or for incidental or consequential damages.

Company makes no warranty as to merchantability or fitness for a particular purpose, and this warranty is in lieu of all other warranties expressed or implied. The customer shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.