KALMATRON® Corporation
Dr. Alex Rusinoff, President & Chairman

236 West Portal Ave. PMB 153,
San Francisco, CA 94127, USA
Phone: 415-385-3290
Fax: 650-872-2555
e-mail: KalmatronWorld@aol.com
K100@kalmatron.com

www.kalmatron.com
www.shieldcrete.com
www.blockdegree.com
www.seismicstar.com

KALMATRON®

KF-I APPLICATION INSTRUCTION

KALMATRON® KF-I is a thermo resistant inorganic, non-asbestos compound designed for heat/cold protection of concrete, masonry, metal, and wooden structures. KF-I is impermeable to the liquids and provides stable attenuation of climatic cycles.

KF-I is highly recommended for restoration of the walls, ceilings and roofs thermo resistance of aged panels, masonry and wooden buildings and structures HTRL (heat transfer resistant layer).

USES OF KF-I

KALMATRON® KF-I is applicable for industrial walls and ceilings of metallurgic and chemical industries, food processing and storage facilities, cooling tanks of nuclear plants, fire protection separators, boiled water supply pipes, heating joints, etc.

PREPARATION OF KF-I

Add 4 parts of KF-I to 2.5÷3 parts of water by the volumes and mix to desired consistency.

PREPARATION OF SURFACES

KF-I can be applied on the most of the types of building structures with stable adhesion.

APPLICATION

Applicable by the plaster technology, shotcrete or even gunite for damp or leaking conditions. KF-I is non-toxic and can be safely applied in such structures as water supply systems and food processing plants.

ESSENTIALS & BENEFITS

KALMATRON® KF-I is the most sufficient, liquid impermeable heat/cold isolation material for industrial applications.

- The simple application process requires only standard equipment.
- The sanitary requirements are the same as for regular plaster jobs.
- KF-I needs no combination with other hydro/thermo isolators because it is highly efficient by itself.
- KF-I modifications are available for radiation attenuation and resistance to any known corrosions.
- The most economical on the world market.

VARIABILITY

For the projects on territories where natural lightweight aggregates, fillers, or lightweight industrial wastes are available, we propose to use them as the premixes to KF-I. It is a mortar with high viscosity during of mixing and glassy density after hardening. That mortar captures porous light-weight fillers into the cement rock preventing moist sorption. It provides constant hydro/thermo protection and durability of protected structures. Mix designs and calculations of thermal resistance is the part of our technical support.