

KALMATRON®

ADMIXTURES

CONCRETE CLASS UPGRADING ADMIXTURES

KALMATRON® KF-A	<p>CONCRETE CLASS UPGRADING ADMIXTURE provides stable features of High Performance Concrete when applied into conventional batch by:</p> <ul style="list-style-type: none"> ➤ 8 ½ Lbs/CY or 5Kg/m³ into conventional concrete mix, ➤ 12 Lbs/CY or 7.5Kg/m³ into pre-cast concrete mix ➤ 17 Lbs/CY or 10Kg/m³ into the plaster, gunite, and shotcrete mixes.
KALMATRON® KC	<p>CLASS UPGRADING CEMENT ADMIXTURE for activation of unhydrated cement grains by premix of 1 Lb of KC per 94 Lbs of cement or 10Kg of KC per 1m.ton of cement. Increases SS up to 3 times. Ordinary Cement with KC is applicable as a micro cement.</p>
KALMATRON® KF-JET	<p>ADMIXTURES TO CONVENTIONAL CEMENTS to upgrade initial setting time of cementitious paste at 3 min, 5 min, and 10 min. Applicable by dry premix with cements in a ratio of:</p> <ul style="list-style-type: none"> ➤ 17 Kg of KF - Jet 3 per 1 m. ton of cement; ➤ 12.5 Kg of KF-Jet5 per 1 m. ton of cement; ➤ 7.5 Kg of KF-Jet10 per 1 m. ton of cement.
K ¹⁰⁰ ®	K ¹⁰⁰ ® is a liquid version of KALMATRON® KF-A applicable by 2 Liters/m ³ or 0.41 Gallon/CY.

ADMIXTURES FOR CONTAMINATED CONCRETE MIXES

KALMATRON® KF-SEA	ADMIXTURE TO SALT CONTAMINATED CONCRETE MIXES by 13Kg/m ³ or 22 Lbs/CY to concrete mixes containing unwashed sea sand and gravel.
KALMATRON® KF-ASH	ADDITIVE TO CONCRETE MIX containing up to 50% of incinerated industrial waste such as fly ash, slag ash or crumbled slag from the weight of cement.
KALMATRON® KF-I	THERMORESISTANT SHIELDING MATERIAL applicable as an admix to grouts applied as the coatings on the heat emitting sources such as equipment, roofs, pipes, chimneys, etc.
KALMATRON® KF-E _{ADMIX}	COLORED ADMIXTURE into concrete/mortar mix by 3Kg to 12Kg per 100 Kg of cement into concrete

ADMIXTURES FOR CONCRETE IN HARSH ENVIRONMENTS

KALMATRON® KF-αβγ	RADIATION SHIELDING MATERIAL for X-ray attenuation and conservation of concrete and masonry structures as an additive into concrete/mortar mixes.
KALMATRON® KF-K	ROAD PATCHING CONCRETE designed for fast patching of rocky, masonry, concrete roads and floors by adding of 6 Kg/m ³ or 10 Lbs/CY of KF-K to conventional concrete mix to increase viscosity and adhesion. Ready for traffic in 1 ½ to 4 hours.
KALMATRON® KF-D	STRUCTURAL INJECTIONS by KF-D provides reactivity with structure/soil containing minerals. Premixed as 2.5 Kg with 100 Kg of cement or 1 Lb/94 Lbs, KF-D allows injecting of EMS on a whole depth of damaged structure
K _{rete} ¹⁰⁰ ®	CONCRETE MATRIX UPGRADING ADMIXTURE provides highest structural density of the cement matrix of cementitious coatings with thicknesses from 8 mm to 35 mm or from 1/3" to 1 ¼".

COATINGS

REMEDIAL LAYERS

KALMATRON® KF-B	PROTECTIVE & REMEDIAL COMPOUND for coating of concrete/masonry structures in a damp environment with penetration into protected material up to 6" or 150 mm for restoration of liquid/gas impermeability, vapor emitting, resistance to corrosions and structural density. Applies by brush, trowel or spray.
KALMATRON® KF-C	PLUG + WELD Stops pressured leaks immediately. Very effective for internal patching of micro cracks and stabilization of bolts and anchors.
KALMATRON® KF-H	ANTI DECAY SHIELDING MATERIAL for coating of timber, masonry & concrete structures to prevent microbiological decay. Applicable by brush, spray or trowel at 2.0 Kg/m ² .
PLASTCRETE	PLASTCRETE is a pre-bagged Cementitious Coating with high viscous properties placing in concrete repair applications by the casting into the layer. Polishing after is an option as an enforcing treatment. It is no dilatation, free of shrinkage cracks and no curing after application with minimal layer thickness at 15 mm or ¾".

PROTECTING LAYERS

KALMATRON® KF-F	VERSATILE PROTECTIVE FILM provides impermeability and resistance to corrosion of concrete and masonry structures. Apply by spray/brush at 0.5 mm to 2mm thick with 2 to 3Kg/m ² .
KALMATRON® KF-I	THERMORESISTANT SHIELDING MATERIAL is a pre-bagged coating on the heat emitting sources such as equipment, roofs, pipes, chimneys, etc. by 8 Kg to 20 Kg per 1 m ² .
SHIELDCRETE	SHIELDCRETE is a pre-bagged High Performance Concrete with high batch' installment properties placing in concrete repair applications using the formwork method, shotcrete lining, and flatworks. It is no dilatation, free of shrinkage cracks and no curing after application with minimal range of layer thickness at 8 mm to 50 mm or at 1/3" to 2".

REGENERATING LAYERS, SPRAYS

KALMATRON® KF-G	CONCRETE REHABILITATION SPRAY for renovation of concrete rheology by closing of shrinkage cracks, restoration of strength & impermeability by spray of 0.25 ÷ 0.35 Kg of KF-G dissolved with 1 Liter of water on 0.65 ÷ 1 m ² of surface.
KALMATRON® KF-E _{COAT}	CEMENTITIOUS PAINT on concrete/mortar surfaces (at 0.9Kg to 5Kg/1m ²).
PATCHCRETE	PATCHCRETE is a pre-bagged Cementitious Coating with high viscous properties for concrete repair using the techniques of the spray, or painting by the brush, or rolling. Polishing after is an option as an enforcing treatment. It is no dilatation, free of shrinkage cracks and no curing after application with minimal range of layer thickness at 1.5 mm to 5 mm or at 1/16" to ¼".