KOVER KRETE™ SYSTEMS

Acrylink™

Acrylic polymer type admixture and bonding agent for Portland cement based products. Non-wettable type.

APPLICATION GUIDE

SURFACE PREPARATION

All spalling, scaling, crumbly material must be removed from surfaces and crevices, and the area rendered structurally sound. Dust, dirt, oil, wax, chalky or loose paint, mildew rust and other foreign material must be removed for adequate bonding. New concrete must be allowed to cure according to industry standards. Painted surfaces must be sound, washable, and firmly adhered to substrate. DO NOT apply over paints soluble in water. Wait 60 days before applying ACRYLINK™ over newly painted surfaces. Glossy painted surfaces should be dulled or roughened with abrasive. DO NOT apply where hydrostatic pressure is present in the substrate, or over frozen concrete. If surface is questionable, apply a test patch with the product system specified. When the surface causes water to bead up like it does on wax paper, you will definitely have a problem with bonding. Such areas need to be sandblasted or acid etched to produce an acceptable clean/open surface for bonding.

APPLICATION

FOR USE AS AN ADMIXTURE TO CEMENT MIXES AND PLASTER ½" OR LESS

Mix 1 part ACRYLINK™ to 2 parts water by volume for cement mixes or plaster scratch coats. Where bonding is more critical, increase the ACRYLINK™ content of the mixing solution to 1 to 1. For plaster brown coats, mix at 1 part ACRYLINK™ to 3 parts water. Mix thoroughly before adding to cement mix or plaster as a replacement for water. Pre-wet all concrete prior to application. Place plaster/topping mixture on base with 20 minutes of adding ACRYLINK™ to mixture. Wood float immediately after screening.

LIMITATIONS

THIN TOPPING, STUCCO

Care should be exercised in finishing thin toppings. It is impossible to produce a highly polished, finished surface without jeopardizing the strength of the bond or glue line. Excessive steel troweling will cause bleeding with possible dehydration, shrinkage, and bond failure. Over-working, particularly several hours after wood floating, may break the bond between the bonding agent or bonding grout and the old surface before bond strength has had a chance to develop. In thin applications, wood floating immediately after screeding will produce maximum bond and minimum shrinkage. Resort to steel troweling only when absolutely necessary. Any steel troweling should be very light with a minimum number of passes. Under no circumstances should steel troweling be performed later than two hours after placing. Joints should duplicate joints in substrate.

ACRYLINK™ when used as an admixture to cement based mixes, establishes a superior curing characteristic, which is very important to the complete hydration of thin applications of Portland cement mixes or plaster. It forms a surface skin that reduces water evaporation along with its chemical ability as a polymer to attract and hold water for a more complete concrete cur.

ACRYLINK™ modified mixes are air-curing systems. In exposed locations where rapid drying conditions exist (periods of high wind and heat) brush coat entire surface with straight ACRYLINK™ to obtain maximum curing and durability.

THICK CEMENT MIXES ½" OR MORE

A cement bonding slurry coat is recommended prior to placement of thick cement mixes. Mix thoroughly 2 parts by volume ACRYLINK™ 1 part by volume water. Then premix one 94 lb bag Portland cement and 100 lb clean dry sand. Combine liquid with dry to make a bonding slurry grout. Brush on as a slurry coat 1/8" thick. Apply cement-topping mix while slurry coat is still soft. Mix should be placed quickly as weather conditions may cause setting time of the slurry coat to vary. Maximum time for placement should not be more than 20 minutes after slurry coat placement. Trowel or brush material into place but do not over work. The trowel or brush should be cleaned frequently and very little pressure should be used. Large areas can best be handled by screeding the mix with a metal straight edge. A build up of mixed material should be kept in advance of the screed; a short vibratory stroke will give the smoothest surface.

When batching with ACRYLINK™ always premix both the dry and wet ingredients separately, then combine and mix to desired consistency.

Manufactured by
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FOR USE AS A BONDING AGENT

ACRYLINK™ should be used straight from the container with no dilution. Stir well prior to use. Pre-wet all concrete. Apply ACRYLINK™ uniformly like a coat of paint using spray, brush, or roller to form a continuous film over the entire surface to be bonded. Bonding film must be wet (tacky) when applying topping or any other cements.

BONDING AGENT – CEMENT STUCCO

ACRYLINK™ should be applied as described above. Prior to application of cement plaster inspect bonding agent application to assure a continuous film is over the entire bonding surface and the film is tacking (not dry). Reapply over areas not satisfactorily covered. Protect film from dirt and debris until cement plaster finish is in place. Two-coat application, apply scratch coat a minimum of 3/8", allow to dry 24 hours or more, then apply finish coat a minimum of 1/8". Where two coats of cement plaster are necessary only ACRYLINK™ bonds the first coat. The first coat should be a minimum of 3/8" thick and permitted to dry 24 hours before second coat application. If 24 hours minimum drying is not followed, moisture in the finish coat will penetrate the scratch coat and flood the ACRYLINK™ film (which has not had time to cure) resulting in bond failure.

CAUTIONS: if concrete substrate is very porous, pre-soaking with clean water will prevent rapid liquid absorption from ACRYLINK™. The bonding film (glue line) must be tacking when applying toppings or other cement products to the film. If bonding film is dried hard, rough up film with an abrasive and re-apply.

CRACK REPAIR AND SWIMMING POOL APPLICATION

Mix equal amount of ACRYLINK™ and water; add Portland cement to make a thick, putty-like compound. Smooth off with wet trowel and allow setting overnight. If crack is deep, fill in layers until surface is flush.

FOR POOLS: when used as Marcite bonding agent, allow at least overnight for surface to dry prior to adding water to pool.

CLEAN UP

In case of spillage, sweep into appropriate container, and dispose of in accordance with applicable local regulations. Flush area with large amount of water. Uncured ACRYLINK™ can be removed with water. Cured ACRYLINK™ can be softened by lacquer thinner or removed by mechanical methods (sandblasting).

FIRST AID

EYE AND SKIN CONTACT: Promptly wash eyes with plenty of water for 15 minutes. Consult a physician if irritation persists. Wash skin thoroughly with soap and water.

INGESTION: If victim is conscious, drink plenty of water (glasses minimum). Call a physician.

INHALATION: Remove to fresh air.

KEEP OUT OF REACH OF CHILDREN.

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION.

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