

# CMB 1060

Concrete Moisture Barrier

And MOISTURE VAPOR BARRIER

## **PRODUCT SUMMARY INFORMATION**

CMB 1060 is a proprietary blend of acrylate in an aqueous dispersion, which readily penetrates deeply into concrete and once absorbed, becomes part of the internal structure of the concrete. CMB 1060 becomes an integral part of the concrete's substructure; it also protects the surface by providing a protective opaque flexible polymer film coating which durably and tenaciously adheres to the treated concrete's surface after drying.

CMB 1060 chemically provides a deep subsurface water / moisture barrier, while at the same time, providing a flexible vapor-barrier coating on the surface. The simultaneous action of these two barriers combined, quickly and easily lowers concrete's water vapor rate emissions. CMB 1060 is excellent as a single application stand-alone product, when used as a vapor reduction treatment for concrete slabs / floors of 8 pounds of moisture vapor emissions per 24 hours per 1000 square feet, or less, as measured by ASTM F-1869 Calcium Chloride Test. A single application will usually lower the emission rate from 8 pounds to 3 or below within 48 hours, or less. By reducing the levels of moisture and alkalinity CMB 1060 provides additional protection helping to ensure the performance of any flooring material installed. Note: Where emission rates are higher than 8 pounds a pretreatment application of CMR 1080 is recommended.

CMB 1060 renders the treated concrete surfaces stronger, more abrasive, acid, and chemical resistant, as well as, freeze-thaw damage resistant. Some other attributes that CMB 1060 provides to concrete are that it provides internal humidity stability, preserves matrix integrity, improves thermal resistance, adds density, increases strengths, lowers creep deformation potential, etc. CMB 1060 may also be applied to concrete at any time during its useful lifespan. For application of CMB 1060, the concrete floor must be clean and free of all residual adhesives, dirt, grease, curing compounds, and sealers. CMB 1060 is normally applied by pouring directly onto concrete's surface, then uniformly spreading it, at the rate of about 350-400 square feet per gallon, using a medium to long nap paint roller (do not spray on). While spreading CMB 1060 onto concrete's surface, a portion of CMB 1060 will deeply penetrate into the concrete while another portion adheres to its surface. After being allowed to thoroughly dry and tested for moisture with calcium chloride tested in accordance with ASTM F – 1869, install flooring material per manufactures instructions. CMB 1060 dries non-tacky, usually within a 24-hour period.

### Precautions:

CMB 1060 liquid must not be allowed to dry on glass or contact shiny aluminum, and should be removed, prior to drying, using water. Once dried, CMB 1060 is extremely difficult to remove from the surface. Incidental contact of CMB 1060 with the skin is not dangerous or hazardous, however protective clothing is recommended. Avoid eye contact, should eye contact be made, rinse eye thoroughly, seek medical attention should irritation develop. If ingested, drink lots of clean potable water, induce vomiting, and seek medical attention. CMB 1060 has a minor, almost insignificant trace of VOC, and is well within the safe use range. For more information read Material Safety Data Sheet.

*High Performance Concrete Moisture Products*

**FLORIDA MIDCAL, LLC**

Tel: (727) 439-6887 Fax: (727) 579-9257