



## AVECS™ RE-ACT

TOPICALLY APPLIED SYSTEM DATA SHEET

AVECS.BUILD 1-800-VECS-658

### **PRODUCT DESCRIPTION:**

PRIMARY USE OF AVECS RE-ACT TOPICALLY APPLIED SYSTEM IS TO CEASE WATER MIGRATION OUT OF OR THROUGH THE CONCRETE SLABS FOR ON-GRADE, BELOW-GRADE, ELEVATED DECKS AND CERTAIN ROOF APPLICATIONS WHICH WOULD NORMALLY BE SUSCEPTIBLE TO WATER EMITTING OUT OF OR THROUGH THE SLAB IN THE FORM OF VAPOR AND POTENTIALLY CAUSE DELAMINATION OF ADHERED FINISHES.

### **ADVANTAGES:**

USE OF AVECS RE-ACT ASSURES ARCHITECTS, END-USERS, GC'S & FLOORING CONTRACTORS THAT FLOORING FINISHES WILL NOT DE-BOND DUE TO MOISTURE OUT OF OR THROUGH CAPILLARY SYSTEM FROM OTHERWISE FREE MOVING WATER OF CONVENIENCE IN THE CONCRETE AND ELIMINATES PROJECT DELAYS/COST OVERRUNS FROM SAID FREE WATER. EXCELLENT FOR BELOW GRADE, ON-GRADE, AND ABOVE GRADE SLABS AND ROOF APPLICATIONS WHERE MOISTURE PRESENCE PRECLUDES INSTALLATION OF FLOORING FINISHES.

### **OTHER SIDE BENEFITS:**

- CREATES BOTH POSITIVE AND NEGATIVE BARRIER WITHIN THE CONCRETE SLAB
- STOPS HYDROSTATIC PRESSURE, CAPILLARY ACTION AND, ULTIMATELY, MOISTURE MIGRATION WHICH CAUSES DELAMINATION
- AVECS RE-ACT IS A UNIQUE SILICATE BASED PENETRATING SEALER WHICH CAPTURES FREE WATER UP TO 4" DEEP INTO SLAB
- INTERACTS WITH EXCESS PORTLAND AND LIME BY FORMING CSH GEL AND TURNING FREE WATER INTO NON-FREE WATER PERMANENTLY

### **TECHNICAL DATA:**

ENVIRONMENTAL- AVECS RE-ACT IS 100% VOC FREE AND POSES ZERO THREAT TO THE ENVIRONMENT.

### **INSTALLATION/PREPARATION:**

**IN MANY CASES YOU WILL NOT NEED TO ABRASE THE SURFACE BUT FIRST YOU NEED TO ESTABLISH POROSITY.** PERFORM A WATER TEST TO SEE IF WATER PENETRATES INTO SLAB WITHIN 60 SECONDS. DO THIS IN THREE AREAS PER 1000 SF. IF WATER DOES PENETRATE FREELY, PROCEED TO APPLICATION STEPS BELOW. IF THE WATER DOES NOT PENETRATE AND SITS ON SURFACE THEN EITHER BEAD BLAST USING 390 SHOT OR USE A PLANETARY GRINDER, 32" LAVINA CB BLADES (ACCEPTABLE BRANDS ARE EXTREME GRINDER, LAVINA, CUTTERS OR EQUAL) TO ACHIEVE AN ICRI (INTERNATIONAL CONCRETE REPAIR INSTITUTE) PROFILE 3 or 4. THIS IS REQUIRED BY AVECS. THE SURFACE, AFTER SHOT BLASTING OR GRINDING IS COMPLETED, SLAB SHOULD BE WHITE IN COLOR WITH NO VISIBLE SIGNS OF CURING AGENTS OR OTHER TYPES OF CONCRETE FINISHED SURFACE SUCH AS EPOXY OR CEMENTITIOUS BASED PATCH AND MAKE SURE THE SURFACE IS CLEAN, WITH NO SIGNS OF DIRT, OIL, UNKNOWN RESIDUES, OR ADHESIVES ETC. ALL LOOSE MATERIALS AND DIRT MUST BE REMOVED FROM CRACKS BY WAY OF CRACK CHASING AND CLEANED OUT FIRST BEFORE INSTALLATION OF AVECS RE-ACT IN ORDER FOR RE-ACT APPLICATION AND INSTALLATION OF AVECS APPROVED CRACK FILL FOR PROPER BONDING AND PENETRATION TO OCCUR.

### **APPLICATION (FLOORING FINISHES):**

FUNCTIONING HVAC UNIT SHOULD BE OPERATING DURING APPLICATION OF RE-ACT. AFTER SLAB IS CLEANED BY RINSING SURFACE AND WET VACCUING OFF, USE A LOW-PRESSURE SPRAYER, BROOM OR BRUSH AND APPLY ONE GENEROUS COAT OF AVECS RE-ACT MAKING SURE TO OVERLAP ROWS TO ENSURE COVERAGE. APPLY ONE OR TWO COATS DEPENDING ON ABSORPTION. APPLICATIONS OF ANY ADDITIONAL COAT OVER INITIAL COAT SHOULD BE APPLIED WHILE SLAB IS STILL WET/DAMP. FAILURE TO APPLY ADDITIONAL COAT WHILE STILL WET/DAMP WILL INHIBIT A SECOND COATS ABILITY TO BE ABSORBED AND PENETRATE DO NOT LET MATERIAL PUDDLE IN ANY AREA. DISPERSE WITH CLEAN BROOM. WHEN THE POURS IN THE SLAB BECOME SATURATED, THE EXCESS MATERIAL WILL LEAVE A WHITE OR OPAQUE APPEARANCE AND THAT MATERIAL MUST BE EITHER BRUSHED OR RINSED OFF **COMPLETELY** AND FLOOR MUST BE ALLOWED TO DRY FOR 24 HOURS. ADDRESS SAW CUTS AND NON-MOVABLE EXPANSION JOINTS USING AN AVECS APPROVED CRACK FILL. CRACK FILL SHALL BE ELASTOMERIC AND WATERPROOF IN NATURE. SLABS CAN THEN BE SKIM COATED USING AN AVECS APPROVED SKIM COAT TO RE-PROFILE SURFACE (IF SLAB HAS REQUIRED ABRASION) **APPROX. SPREAD RATE BETWEEN 200-250SF PG DEPENDING ON POROSITY**

### **RE-PROFILING SURFACE:**

AVECS RE-ACT IS COMPATIBLE WITH ALL SURFACE SKIM COATS, SELF-LEVELERS AND PATCHING MATERIALS

### **FLOORING INSTALLATION:**

FLOORING INSTALLATION CAN TAKE PLACE IMMEDIATELY AFTER SLAB IS COMPLETELY DRY AND AN AVECS APPROVED CRACKFILL HAS COMPLETELY DRIED.

### **COMPATIBILITY:**

AVECS PRODUCTS ARE COMPATIBLE WITH ALL FLOORCOVERING, ADHESIVE, PATCHING COMPOUND AND SELF-LEVELER.

### **PRECAUTIONS:**

AVECS ONLY USES CERTIFIED CREWS TO INSTALL ITS PRODUCTS. AN AVECS APPROVED REPRESENTATIVE MUST BE PRESENT FOR INSTALLATION AND PLACEMENT OF AVECS RE-ACT AND AVECS APPROVED CRACK FILL. GENERAL CONTRACTOR MUST NOT PROCEED WITHOUT THE APPROVED AVECS REPRESENTATIVE BEING PRESENT WITHOUT PRIOR WRITTEN APPROVAL FROM AVECS. FOR CERTIFICATION, PLEASE CONTACT AVECS AT [INFO@AVECS.BUILD](mailto:INFO@AVECS.BUILD)

### **STORAGE:**

STORE AVECS RE-ACT ABOVE 45 DEGREES AND DO NOT ALLOW IT TO FREEZE. PRODUCT SEPERATION MAY OCCUR REQUIRING AGITATION.

**WARRANTY:** THE AVECS RE-ACT WAS DEVELOPED PRIMARILY FOR INTERIOR SLABS TO ELIMINATE MOISTURE RELATED ISSUES FROM WATER VAPOR IN OR THROUGH THE SLAB AND EXCEEDS ALL GUIDELINES PERTAINING TO MOISTURE RELATED FAILURES ESTABLISHED BY FLOORING MANUFACTURERS. AVECS RE-ACT CARRIES A FIFTEEN (15) YEAR WARRANTY IF USED IN CONJUNCTION WITH AN AVECS APPROVED CRACK FILL. CONTACT [INFO@AVECS.BUILD](mailto:INFO@AVECS.BUILD)