



AVECS™ PRO-ACT ADMIXTURE DATA SHEET
AVECS.BUILD 1-800-VECS-658

PRODUCT DESCRIPTION:

PRIMARY USE OF **AVECS PRO-ACT** ADMIXTURE 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 TURN INTO VAPOR AND POTENTIALLY CAUSE DELAMINATION OF FINISHES.

ADVANTAGES:

USE OF **AVECS PRO-ACT** ASSURES ARCHITECTS, END-USERS, GC & 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.

OTHER SIDE BENEFITS:

- SUBSTANTIALLY REDUCES SLAB CURL BY USING WATER OF CONVENIENCE TO OUR ADVANTAGE
- ELIMINATES SURFACE DUSTING & PROVIDES FASTER FINISHING TIME
- INHIBITS RUST OF REBAR AS MOISTURE IS NEVER FREE TO INTERACT WITH IT
- GREATLY REDUCES SHRINKAGE/SURFACE CRACKS AND SPAWLING
- PREVENTS CAPILLARY ACTION BY TURNING NORMALLY FREE WATER INTO NON-FREE WATER IN FORM OF CALCIUM SILICA HYDRATE GEL
- INHIBITS ACIDS, AND CHEMICAL ATTACK/INTRUSION
- INHIBITS RADON GAS FROM INTERIOR PENETRATION THROUGH CAPILLARY SYSTEM & STOPS **ASR** (ALKALI-SILICA-REACTION)

TECHNICAL DATA:

ENVIRONMENTAL- **AVECS PRO-ACT** IS 100% VOC FREE AND POSES ZERO THREAT TO THE ENVIRONMENT.
PHYSICAL & CHEMICAL PROPERTIES- TEST REPORTS AVAILABLE TO INDUSTRY PROFESSIONALS

INSTALLATION:

HANDLE AND STORE PRODUCT ACCORDING TO **AVECS** RECOMMENDATIONS. MAX SLUMP WITH DESIGN WATER SHOULD NOT EXCEED 4" BUT CAN BE INCREASED VIA OF CHEMICALS ON SITE, NOT ADDITIONAL WATER. FOLLOW **AVECS PRO-ACT** INSTRUCTIONS FOR DISPENSING.

APPLICATION (FLOORING FINISHES):

SLAB CRACKS, SAW CUTS AND NON-MOVABLE EXPANSION JOINTS SHOULD BE FILLED USING **AVECS** APPROVED CRACK FILLER

DISPENSING:

AVECS PRO-ACT SHOULD BE ADDED AT THE BATCH PLANT OR ON SITE AT A RATE OF TWELVE (12) OUNCES PER 100 WEIGHT CEMENTITIOUS MATERIAL ON .45 WC RATIO OR LESS (SEE REP FOR MIXES OUTSIDE THAT RANGE) ADDITIONAL DOSE RATE SHOULD BE CONSIDERED WHEN TRYING TO ATTAIN HIGH EARLY STRENGTH. REMEMBER, **AVECS PRO-ACT** IS A REPLACEMENT (OUNCE FOR OUNCE) OF SAME PORTION OF DESIGN WATER, NOT AN ADDITION TO IT. EVERY ONE OUNCE OF **AVECS PRO-ACT** THAT GOES INTO A CY OF CONCRETE REQUIRES REMOVAL OF ONE OUNCE OF WATER.

TRUCK/MIXING AT PLANT:

PLEASE CONSIDER TOLERANCE OF +/- 3% WHEN DOSING FOR ACCURACY AND DO **NOT** ADD TOGETHER WITH OTHER ADMIXTURES AT SAME TIME. OTHER ADMIXTURES ARE HOWEVER COMPATIBLE. ADD **AVECS PRO-ACT** DURING OR AFTER INTRODUCTION OF CEMENTITIOUS LOAD. AT THIS TIME, TRUCKS NEED TO ROTATE FOR A FULL SEVEN (7) MINUTES BEFORE DISPENSING. THIS IS MANDATORY.

ON-SITE DOSING: SAME AS PLANT MIXING; ROTATE DRUMS RAPID CYCLE FOR FULL SEVEN (7) MINUTES BEFORE DISPENSING.

CURING: EITHER USE **AVECS** APPROVED PRODUCT WHICH PROMOTES BOND AND DOES NOT REQUIRE REMOVAL OR WET CURE ACCORDING TO ACI GUIDELINES. (**CAUTION**) AVOID USING CURING AGENTS THAT CONTAIN PARAFFIN OR PETROLEUM INGREDIENTS AS THEY CAN INHIBIT FLOORING ADHESION.

PRECAUTIONS: AN **AVECS** APPROVED REPRESENTATIVE MUST BE PRESENT FOR FIRST BATCH AND PLACEMENT OF CONCRETE CONTAINING **AVECS PRO-ACT**. DO **NOT** USE SHRINK REDUCING ADMIXTURES IN ANY LOAD CONTAINING PRO-ACT!! GENERAL CONTRACTOR MUST NOT PROCEED WITHOUT THE APPROVED REPRESENTATIVE BEING PRESENT WITHOUT PRIOR WRITTEN APPROVAL FROM **AVECS** OR CERTIFICATION PERMISSION. USE NON-CHLORINATED SUCH AS PLASTICISERS, WATER REDUCERS, AND ACCELERATORS WITH **AVECS** PRO-ACT.

STORAGE: STORE **AVECS PRO-ACT** ABOVE 45 DEGREES AND DO NOT ALLOW IT TO FREEZE. PRODUCT SEPERATION MAY OCCUR, REQUIRING AGITATION.

BUILDING CODES: CONSULT LOCAL BUILDING CODES FOR VAPOR RETARDER REQUIREMENTS. PRODUCT COMPLIANCE CAN BE OBTAINED FROM **AVECS**.

WARRANTY: THE **AVECS PRO-ACT** WAS DEVELOPED PRIMARILY FOR INTERIOR SLABS TO ELIMINATE MOISTURE RELATED ISSUES FROM WATER IN OR THROUGH THE SLAB AND EXCEEDS ALL GUIDELINES PERTAINING TO MOISTURE RELATED FAILURES ESTABLISHED BY FLOORING MANUFACTURERS. **AVECS** PRO-ACT CARRIES A LIFETIME WARRANTY IF **AVECS** PRO-ACT, **AVECS** APPROVED CURING AGENT & **AVECS** APPROVED CRACK FILLER ARE USED.

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

TECHNICAL SERVICE/INFO: FOR EMAIL INFORMATION CONTACT INFO@AVECS.BUILD OR CALL 1-800-VECS-6