

PRE-BLENDED PORTLAND CEMENT THICK BED MORTAR

DM DS 5-17

PRODUCT

DECK MUD - POLY
DECK MUD - PLUS
DECK MUD 3:1



MANUFACTURER

ORCO BLENDED PRODUCTS
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DESCRIPTION

OBP DECK MUD-POLY, DECK MUD-PLUS AND DECK MUD ARE DRY, FACTORY BLENDED MORTARS DESIGNED TO PRODUCE HIGH STRENGTH, THICK, LEVELING MORTAR BEDS. ALL PRODUCTS ARE AVAILABLE IN STANDARD MIX DESIGNS AND SPECIAL ORDER FORMULAS TO MEET INDIVIDUAL PROJECT REQUIREMENTS.

DECK MUD-POLY HAS ADDED POLYMERS PROVIDING ADDITIONAL FLEXURAL STRENGTH, WATER REPELLANT PROPERTIES AND EFFLORESCENCE PROTECTION FOR THE MOST DEMANDING APPLICATIONS. (2.5:1)

DECK MUD-PLUS IS A HIGH STRENGTH, SAND, CEMENT MIX THAT INCLUDES AN INTEGRAL WATER REPELLANT. THE WATER REPELLANT PROPERTIES PROTECTS THE INSTALLED PAVER SYSTEM OF WATER MIGRATION FROM THE SUBSTRATE. THIS PROVIDES EXCELLENT EFFLORESCENCE PROTECTION AND PROTECTION FOR THE BINDING SYSTEM. IT PROVIDES AN ECONOMICAL WATER REPELLANT MORTAR BED (2.5:1)

DECK MUD IS A BLEND OF CEMENT AND SAND. STANDARD MIX DESIGN IS A 3:1 RATIO.

EFFLORESCENCE

USE DECK MUD-POLY OR DECK MUD-PLUS TO REDUCE THE POTENTIAL OF EFFLORESCENCE. THE WATER REPELLANT PROPERTIES REDUCE THE WICKING EFFECT OF WATER INTO THE PAVERS THUS REDUCING THE POTENTIAL OF EFFLORESCENCE.

USES

ALL 3 PRODUCTS ARE USED AS A THICK BED MORTAR UNDERLAYMENT FOR ALL TYPES OF PAVERS, TILE, STONE AND MARBLE. IT IS USED ON FLOORS, COUNTER TOPS, DRIVEWAYS, PATIOS, SHOWER PANS AND ANYWHERE A THICK BED LEVELING MORTAR IS SPECIFIED. DECK MUD-POLY SHOULD BE USED IN HIGH TRAFFIC AREAS WHERE ADDED FLEXURAL STRENGTH IS NEEDED. POLY OR PLUS SHOULD BE USED WHERE EFFLORESCENCE CONTROL/WATER REPELLANT PROPERTIES ARE DESIRED. ALL PRODUCTS MAY BE USED AS A SETTING BED MORTAR FOR EXPOSED STONE LANDSCAPES AND SIMILAR APPLICATIONS.

ADVANTAGES

- HIGH QUALITY CONTROL
- CONVENIENT - EASY HANDLING
- EFFLORESCENCE CONTROL (DECK MUD - POLY OR PLUS)
- WATER REPELLANT (DECK MUD - POLY OR PLUS)
- ADDED FLEXURAL STRENGTH (DECK MUD - POLY)
- FREEZE THAW DURABLE (DECK MUD - POLY OR PLUS)



- BULK SYSTEMS AVAILABLE

PACKAGING

AVAILABLE IN 94 LB. SACKS, 3000 LB. BULK BAGS, AND IN PNEUMATIC-BULK SYSTEMS. INFORMATION ON BULK BAG, SILO AND PNEUMATIC BULK SYSTEM IS AVAILABLE UPON REQUEST.

COVERAGE

ONE 94 LB. BAG WILL YIELD APPROXIMATELY .73 CUBIC FEET.

LIMITATIONS

DO NOT APPLY WHEN TEMPERATURES ARE BELOW OR EXPECTED TO FALL BELOW 40°F PRIOR TO CURE. FOLLOW ANSI AND ASTM GUIDELINES IN HIGH HEAT, WIND OR COLD. FOLLOW CURRENT BUILDING CODES. SUBSTRATES MUST BE SOUND - ANY CRACKS OR EXCESSIVE MOVEMENT MAY TELEGRAPH THROUGH MORTAR OR CAUSE BOND FAILURE. DO NOT COVER EXPANSION OR MOVEMENT JOINTS. DECK MUD-POLY OR DECK MUD ARE NOT DRY SET BONDING MORTARS. THEY ARE DESIGNED AS HIGH STRENGTH, THICK BED LEVELING MORTARS. USE VBM BONDER, POLY VBM OR OTHER APPROVED BONDING MORTAR.

TECHNICAL DATA

BOTH PRODUCTS ARE A BLEND OF PORTLAND CEMENT ASTM C150 AND WASHED MASONRY SAND ASTM C144. POLY DECK MUD CONTAINS ADDITIONAL POLYMERS FOR ADDED FLEXURAL STRENGTH AND WATER REPELLANT PROPERTIES, BOTH PRODUCTS MEET THE COMPRESSIVE STRENGTH REQUIREMENT OF ASTM C270 TYPE M AND ANSI 118.4 LATEX MODIFIED PORTLAND CEMENT MORTARS. TYPICAL COMPRESSIVE STRENGTH TEST RESULTS FOR ALL PRODUCTS EXCEED 4000 PSI WHEN MIXED AT A DRYPACK CONSISTENCY.

INSTALLATION

SUBSTRATE: THE SUBSTRATE MUST BE STRUCTURALLY SOUND AND CONFORM TO GOOD ENGINEERING PRACTICES. SUBSTRATE DEFLECTION UNDER ALL LIVE, DEAD AND IMPACT LOADS, INCLUDING CONCENTRATED LOADS MUST NOT EXCEED L/360 FOR THIN BED INSTALLATION OR L/480 FOR THICK BED STONE INSTALLATIONS, WHERE L= SPAN LENGTH. INSTALLATIONS SHALL BE IN ACCORDANCE WITH IBC, ANSI, CBC, TCNA AND LOCAL BUILDING CODES. MOVEMENT JOINTS SHALL BE BROUGHT THRU MORTAR AND VENEER TO THE SURFACE. ALL SURFACES MUST BE SOUND, CLEAN, AND FREE FROM ANY DIRT, OIL, PAINT, BOND BREAKERS, EFFLORESCENCE OR ANY CONTAMINANTS WHICH MAY HINDER BOND.

MIXING

ADD TO ENOUGH POTABLE WATER SO THE MORTAR WILL FORM A BALL WHEN COMPACTED IN YOUR HAND. APPROXIMATELY 5 TO 6 QUARTS PER 94 LB. BAG OF MORTAR. MIX WATER MAY BE ADJUSTED TO ACHIEVE THE DESIRED CONSISTENCY.

APPLICATION

BONDED INSTALLATION: WHEN BONDING TO THE SUBSTRATE, APPLY A SLURRY BOND COAT OF VBM BONDER TO THE SUBSTRATE JUST PRIOR TO INSTALLATION 100% COVERAGE. WHILE THE VBM BONDER IS STILL WET, PLACE THE POLY DECK MUD INTO THE SLURRY COAT TO THE DESIRED THICKNESS, COMPACT WELL AND LEVEL. IF THE PAVER/TILE IS TO BE PLACED IMMEDIATELY, APPLY A SLURRY BOND COAT OF VBM BONDER (100% COVERAGE) TO THE PAVER/TILE AND PLACE ONTO THE DAMP POLY DECK MUD. BEAT INTO PLACE. PERIODICALLY CHECK INSTALLATION TO ASSURE GOOD CONTACT AND BOND. IF THE POLY DECK MUD LEVELING BED IS ALLOWED TO DRY PRIOR TO INSTALLATION OF THE PAVER/TILE, USE THE APPROPRIATE BONDING MORTAR FOR THE APPLICATION.

UNBONDED INSTALLATION: (OVER CLEAVAGE MEMBRANE) INSTALL CLEAVAGE MEMBRANE ON THE SUBSTRATE AS REQUIRED. APPLY APPROXIMATELY $\frac{1}{2}$ OF THE MORTAR DEPTH OF POLY DECK MUD OVER THE CLEAVAGE MEMBRANE. PLACE APPROVED 16 GAGE GALVANIZED WELDED WIRE MESH (2" X 2") (50MM X 50MM) INTO THE MORTAR. APPLY THE REMAINING POLY DECK MUD, COVERING THE WIRE MESH, LEVEL AND COMPACT WELL. THE WIRE MESH SHOULD BE IN THE MIDDLE OF THE MORTAR BED. THE MINIMUM THICKNESS OF THE POLY DECK MUD MORTAR BED SHALL BE 2 INCHES(50MM). IF THE PAVER/TILE IS TO BE PLACED IMMEDIATELY, APPLY A SLURRY BOND COAT OF VBM BONDER TO THE PAVER/TILE (100% COVERAGE) AND BEAT INTO PLACE.

IF THE POLY DECK MUD LEVELING BED IS ALLOWED TO DRY AND CURE, USE THE APPROPRIATE BONDING MORTAR FOR THE INSTALLATION. ALWAYS PERFORM QUALITY CONTROL TEST BEFORE AND DURING APPLICATION. PROTECT WORK IN HIGH HEAT, WIND OR COLD. FOLLOW ASTM/ANSI GUIDELINES. DUE TO THE MANY VARIABLES OF SUBSTRATE CONDITIONS AND PAVERS, IT IS THE RESPONSIBILITY OF THE USER TO ASSURE THE PRODUCTS AND INSTALLATION PRODUCES ARE SUITABLE FOR THE APPLICATION. ALLOW A MINIMUM OF 12 HOURS CURE FOR FOOT TRAFFIC AND 72 HOURS FOR VEHICLE TRAFFIC.

CLEAN-UP

CLEAN TROWELS AND MASONRY UNITS WITH WATER PRIOR TO HARDENING.

AVAILABILITY / TECHNICAL SERVICES

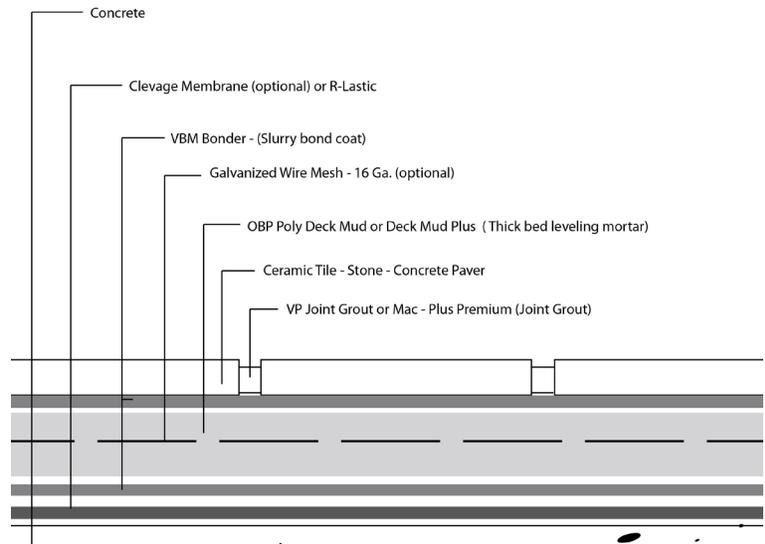
CONTACT ORCO BLENDED PRODUCTS FOR DEALERS IN YOUR AREA AND TECHNICAL SERVICES AT 877-838-6726.

CAUTION

PROLONGED EXPOSURE TO DUST MAY CAUSE DELAYED LUNG DISEASE. ELIMINATE EXPOSURE TO DUST. USE NIOSH APPROVED MASK FOR SILICA DUST. FRESHLY MIXED MATERIALS MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY. IF ANY CEMENTITIOUS MATERIALS GETS INTO THE EYES, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION. SEE SDS.

WARRANTY

THE TECHNICAL INFORMATION AND USAGE STATEMENTS ARE BASED ON OUR BEST KNOWLEDGE. THE CONTENTS OF THIS SPECIFICATION SHEET ARE PRESENTED FOR INFORMATIONAL PURPOSES ONLY AND DO NOT CONSTITUTE RESPONSIBILITY FOR THEIR USE. THE MANUFACTURER WILL REPLACE ONLY THAT MATERIAL WHICH IS PROVEN DEFECTIVE DUE TO QUALITY OF THE COMPONENTS OR THE MANUFACTURING PROCESS.



**PAVER INSTALLATION
THICK BED LEVELING MORTAR BED**



COBBLE STONE INSTALLATION



**DECK MUD - POLY WITH VBM BONDER SLURRY
COAT. GROUDED WITH VP JOINT GROUT PREMIUM**

RELATED PRODUCTS

- VBM BONDER:** POLYMER MODIFIED, WATER REPELLANT THIN SET
- VP JOINT GROUT PREMIUM:** POLYMER MODIFIED JOINT GROUT (FINE SAND)
- MAC PLUS-PREMIUM:** POLYMER MODIFIED TYPE S MORTAR (COARSE)
- R-LASTIC:** ELASTOMERIC WATERPROOF AND ANTI-FRACTURE COATING

PRODUCT DATA SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION. TEST RESULTS SHOWN ARE TYPICAL BUT FIELD PERFORMANCE WILL VARY DEPENDING ON INSTALLATION METHODS AND JOB CONDITIONS. *MAC AND VBM MORTARS ARE A TRADEMARK OF R-CRETE INC.