

GENERAL NOTES

ITEM SPECIAL-CONCRETE REPAIR (2" DEPTH OR LESS)-CONTINUED

USE OF MESH:

1. WHEN APPLYING EMACO S88-CA IN REPAIRS GREATER THAN 10 LINEAL FEET (3 M) IN THE LONGEST DIRECTION -- A 4" X 4" LOW GAUGE MESH (10 TO 12 GAUGE) MUST BE FIRMLY TIED INTO THE PROPERLY PREPARED SUBSTRATE.

2. LOCATE THE MESH NO CLOSER THAN 3/8" (10 MM) AND NO MORE THAN 1 " (25 MM) FROM THE FINISHED SURFACE USING SPACERS AND CONCRETE ANCHORS. THE MESH SHOULD BE NO SMALLER THAN 4" X 4" LOW GAUGE MESH (10 TO 12 GAUGE). A MINIMUM COVER OF EMACO S88-CA OVER THE MESH SHOULD BE 3/8" (10 MM).

MIXING:

1. MIX EMACO S88-CA MORTAR WITH APPROXIMATELY 0.7 TO 1.0 U.S. GALLONS (2.7 TO 3.8 LITRES) OF POTABLE WATER (10.5% TO 15% BY WEIGHT OF EMACO S88-CA) PER 55 LB (25 KG) BAG.

2. PLACE THE MINIMUM AMOUNT OF WATER IN A PADDLE TYPE MORTAR MIXER AND START THE MIXER, THEN ADD EMACO S88CA MORTAR IN A CONTINUOUS MANNER AND MIX FOR 4 MINUTES MINIMUM AFTER THE EMACO S88-CA HAS BEEN ADDED. IF NECESSARY, THE REMAINING 0.3 U.S. GALLONS (1.1 LITRES) OF WATER MAY BE ADDED TO ACHIEVE THE DESIRED CONSISTENCY. CONTINUE MIXING FOR 1 TO 2 MINUTES AFTER ADDITIONAL WATER IS ADDED.

NOTE: MANUAL MIXING IS NOT RECOMMENDED SINCE TOO MUCH WATER IS GENERALLY INTRODUCED BY THIS METHOD.

HAND TROWEL APPLICATIONS:

1. FOR HAND TROWEL APPLICATIONS MAXIMUM BOND IS ACHIEVED WITH INSTALLATION OF A BOND SCRUB COAT ON THE PROPERLY PREPARED SUBSTRATE. THOROUGHLY SCRUB A THIN LAYER OF MIXED EMACO S88-CA INTO THE CLEAN, SATURATED SURFACE WITH A STIFF-BRISTLED BRUSH. THIS SHOULD BE DONE IMMEDIATELY BEFORE THE APPLICATION OF THE BULK OF THE MORTAR. DO NOT APPLY MORE OF THE SLURRY THAN CAN BE COVERED WITH MORTAR BEFORE THE SLURRY COAT DRIES. DO NOT RETEMPER THIS MATERIAL. SPRAY APPLICATION DOES NOT REQUIRE A BOND COAT SLURRY

2. A MORTAR TYPE MIXER SHOULD BE USED IN ORDER TO ASSURE A WORKABLE MIX. AFTER THE BOND COAT SLURRY HAS BEEN APPLIED, THE MIXED MATERIAL SHOULD BE LITERALLY THROWN ONTO THE REPAIR AREA WITH A TROWEL. THIS HAWK AND TROWEL PLASTERING METHOD WILL ALLOW BETTER ADHESION AND FINISHABILITY.

SPRAY APPLICATION:

1. EMACO S88-CA MAY BE APPLIED USING LOW PRESSURE SPRAY EQUIPMENT SUCH AS A MOYNO OR A SCREW TYPE MACHINE AS WOULD COMMONLY BE USED FOR PLASTERING.

APPLICATION THICKNESS:

EMACO S88-CA MAY BE APPLIED ON VERTICAL SURFACES IN THICKNESSES VARYING BETWEEN 3/8" AND 2" (10 MM TO 51 MM).

FINISHING:

1. AFTER PLACEMENT OF EMACO S88-CA, THE SURFACE SHOULD BE LEVELED IMMEDIATELY USING A WOODEN FLOAT. A DERBY OR SCREED MAY BE NECESSARY IN LARGER APPLICATIONS.

2. IN HOT, DRY OR WINDY CONDITIONS IT IS RECOMMENDED THAT CONFILM THEN BE APPLIED AS AN EVAPORATION REDUCER.

3. FINAL FINISHING MAY START ONLY WHEN THE MORTAR HAS BEGUN TO SET, THAT IS, WHEN FINGER PRESSURE DOES NOT PENETRATE THE SURFACE, BUT MARKS IT LIGHTLY. FINAL FINISHING MAY BE DONE USING A WOODEN OR SYNTHETIC SPONGE TROWEL. IF THE MATERIAL IS DIFFICULT TO FINISH AT THIS POINT, A VERY LIGHT MISTING OF FULL STRENGTH CONFILM MAY ASSIST.

CURING:

1. THE FINISHED PATCH REQUIRES CURING TO OBTAIN OPTIMUM PERFORMANCE AND DURABILITY. EITHER KEEP THE FINISHED PATCH CONTINUOUSLY MOIST WITH WATER FOR A MINIMUM OF 7 DAYS OR USE A TWO-COAT APPLICATION OF QUALITY CURING COMPOUND SUCH AS MASTERKURE, MASTERKURE 100W OR 200W FROM MASTER BUILDERS, INC.

2. THE FIRST COAT OF CURING COMPOUND SHOULD BE APPLIED IMMEDIATELY AFTER FINISHING OPERATIONS ARE COMPLETED. THE SECOND COAT SHOULD BE APPLIED THE FOLLOWING DAY.

NOTE: DURING THE INTERVAL BETWEEN PLACING AND CURING, THE REPAIR AREA MUST BE PROTECTED FROM EXPOSURE TO WIND AND SUN, PARTICULARLY IF THE HUMIDITY IS LOW.

HOT WEATHER APPLICATION [ABOVE 80 F (27 C)]:

DO NOT APPLY REPAIR MORTAR WHEN AMBIENT AND SURFACE TEMPERATURES ARE 1 100 F (38 C) AND ABOVE. SHADE THE MATERIAL AND PREPARED SURFACE AREA TO KEEP THEM COOL. TO EXTEND WORKING TIME, MIX THE MATERIAL WITH COOL WATER OR EQUIVALENT WEIGHT OF CRUSHED OR SHAVED ICE. BE CERTAIN THE SUBSTRATE IS (SSD) (SATURATED SURFACE DRY) BEFORE APPLICATION BEGINS. WHEN FINISHING IS REQUIRED, WORK THE MATERIAL QUICKLY ONCE IT HAS STIFFENED TO THE POINT THAT A FINGER PRESSED AGAINST THE MATERIAL WILL NOT SINK BENEATH THE SURFACE BUT WILL MARK IT LIGHTLY. PROPER CURING IS ALWAYS REQUIRED AND IS PARTICULARLY IMPORTANT IN HOT WEATHER. REFER TO THE PREVIOUS SECTION MARKED "CURING".

COLD WEATHER APPLICATION [BELOW 50 F (10 C)]:

DO NOT MAKE THE REPAIR IF THE AMBIENT TEMPERATURE IS EXPECTED TO FALL BELOW 40 F (4 C) WITHIN 72 HOURS OF PLACEMENT. BOTH THE SUBSTRATE AND AMBIENT TEMPERATURE MUST BE AT LEAST 50 F (10 C) AT THE TIME OF PLACEMENT. LOW SUBSTRATE AND AMBIENT TEMPERATURES SLOW DOWN RATE OF SET AND STRENGTH DEVELOPMENT. PROTECT THE FINISHED PATCH WITH INSULATING BLANKETS TO AID IN THE DEVELOPMENT OF EARLY STRENGTH GAIN. AT TEMPERATURES BELOW 50 F (10 C), WARM THE MATERIAL, WATER AND SUBSTRATE. PROPER VENTILATION DURING HEATING IS REQUIRED.

ITEM SPECIAL-SAWCUT JOINT

AT EACH RETAINING WALL JOINT WHERE A REPAIR PATCH HAS BEEN MADE AS ABOVE, THE JOINT SHALL BE SAWCUT TO A DEPTH EQUAL TO THE DEPTH OF THE REPAIR PATCH. CARE SHALL BE TAKEN NOT TO CUT ANY EXISTING REINFORCING STEEL.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY (SHEET NO. 4) - 100 LIN. FT.

ITEM 201-CLEARING AND GRUBBING

CLEARING AND GRUBBING SHALL BE PERFORMED FROM THE TOP-BACK EDGE OF THE RETAINING WALL EXTENDING TO THE RIGHT OF WAY, AS SHOWN ON THE DRAIN DETAIL, (ALONG THE FULL LENGTH OF THE WALL) IN ACCORDANCE WITH ODOT ITEM 201.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY (SHEET NO. 4) - 1 LUMP

ITEM 605-SHALLOW PIPE UNDERDRAINS, WITH FILTER FABRIC

SHALLOW PIPE UNDERDRAINS SHALL BE CONSTRUCTED ALONG THE TOP OF THE RETAINING WALL AS SHOWN ON THE DRAIN DETAIL AND IN ACCORDANCE WITH ODOT ITEM 605.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY (SHEET NO. 4) - 550 LIN. FT.

WALL RECONSTRUCTION GENERAL NOTES

NINTH STREET

2 / 4

26
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