

SERIES 106 **HIGH DENSITY MORTAR**

DESCRIPTION:

SERIES 106 HIGH DENSITY MORTAR IS A ONE-COMPONENT, CEMENTITIOUS, STRUCTURAL REPAIR MORTAR, WITH A COMPRESSIVE STRENGTH OF UP TO 3000 PSI WITHIN 3 HOURS. THE HIGH EARLY STRENGTH DEVELOPMENT REDUCES THE NEED TO WAIT LONG PERIODS OF TIME BEFORE USING THE AREA THAT IS REPAIRED.

USES:

WHERE THERE IS A NEED FOR HORIZONTAL SURFACE REPAIR WHICH REQUIRES A MINIMUM “DOWN” PERIOD AND A HIGH-EARLY STRENGTH AND WHEN HIGHER TEMPERATURES LIMIT USE.

ADVANTAGES:

- ONE COMPONENT ONLY – JUST ADD WATER.
- HIGH EARLY STENGTH – UP TO 3000 PSI WITHIN 3 HOURS AT 72* F.
- EXCELLENT RESISTANCE TO DE-ICING MATERIALS.
- HIGH DENSITY PROVIDES LOW PERMEABILITY MINIMIXING INFILTRATION OF WATER AND INGRESS OF DE-ICING MATERIALS.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION:

THE SUBSTRATE MUST BE STRUCTURALLY SOUND; ALL DISINTEGRATED OR UNSOUND CONCRETE MUST BE REMOVED FROM THE AREA TO BE PATCHED. DUST, OIL, AND OTHER CONTAMINATS MUST BE REMOVED. EDGE OF AREA TO BE PATCHED MUST BE VERTICAL, STEEP ANGLE CUT OR CHIPPED TO A MINIMUM DEPTH OF ½”. ALL EXPOSED REINFORCING BARS SHOULD BE EXPOSED TO 100% OF ITS CIRCUMFERENCE, THOROUGHLY CLEANED TO REMOVE CORROSION DEPOSITS AND PRIMED. FLUSH AREA WITH CLEAN WATER TO REMOVE ALL DUS TAND TO DAMPEN THE CONCRETE. REMOVE ALL EXCESS WATER. **FOR MAXIMUM BOND, THE SUBSTRATE MUST BE KEPT DAMP PRIOR TO PLACEMENT.**

MIXING:

USE A MORTAR TYPE OR FORCED ACTION TYPE MIXER TO ENSURE OPTIMUM BLENDING. JOB SIZE SHOULD DICTATE THE CAPACITY OF MIXER. FOR MIXING LESS THAN 50 POUNDS, A POWER DRILL WITH A JIFFY TYPE MIXING BLADE SHOULD BE USED. **DO NOT MIX BY HAND.** APPROXIMATELY 5 TO 5 ½ PINTS OF WATER SHOULD BE USED PER 50 POUNDS. IT IS RECOMMENDED THAT TO OBTAIN PROPER WORKABILITY FOR INDIVIDUAL JOBSITE CONDITIONS THE USER DETERMINE OPTIMUM WATER TO CEMENT NEEDED. DO NOT EXCEED 6 PINTS PER 50 POUNDS. MIX FOR A MINIMUM OF 3 MINUTES BEFORE ADJUSTING WORKABILITY. FOR PATCHES WHOSE DEPTH EXCEEDS 2”, IT IS RECOMMENDED **SERIES**

106 HIGH DENSITY MORTAR TO BE EXTENDED BY ADDING UP TO 50 POUNDS OF CLEAN WASHED, WELL GRADE 3/8" AGGREGATE PER 50 POUNDS OF **SERIES 106 HIGH DENSITY MORTAR** AND 5 TO 5 ½ PINTS OF WATER.

APPLICATION:

IMMEDIATELY PLACE **SERIES 106 HIGH DENSITY MORTAR** MIXTURE INTO THE PREPARED AREA WORKING FROM ONE SIDE TO THE OTHER. WORK AND TAMP DOWN THE MATERIAL FIRMLY INTO THE BOTTOM AND SIDES OF THE PATCH AREA TO ASSURE GOOD BOND. SCREED AND TROWEL THE MATERIAL LEVEL TO THE EXISTING CONCRETE. SEAL THE EDGES AND SAW CUTS WITH SLIGHT TROWELING. MINIMAL FINISHING IS REQUIRED. **SERIES 106 HIGH DENSITY MORTAR** MAY BE BROOMED TO OBTAIN AN ANTI-SKID SURFACE. TO PREVENT BUILD-UP, CLEAN TOOLS AND MIXER FREQUENTLY WITH WATER. OTHER CURING OPTIONS INCLUDE A FINE MIST OF WATER; APPLICATION OF WET BURLAP (BURLAP MUST BE KEPT MOIST); APPLICATION OF POLYETHYLENE SHEETING TAPED DOWN AT THE EDGES; OR A COMBINATION OF THE ABOVE TO KEEP THE FINISHED REPAIR MOIST FOR A MINIMUM OF 7 DAYS. IN COLD CONDITIONS, THE FINISHED REPAIR MUST BE PROTECTED FROM FREEZING.

CLEAN-UP:

CLEAN TOOLS AND EQUIPMENT IMMEDIATELY AFTER USE WITH WATER. CLEAN HANDS AND SKIN IMMEDIATELY WITH SOAP AND WATER.

PHYSICAL PROPERTIES:

WORKING TIME – 40 MINUTES AT 72* F.
INITIAL SET – 40 TO 75 MINUTES AT 72* F.

COMPRESSIVE STRENGTH:

3000 PSI AT 3 HOURS
7000 PSI AT 3 DAYS
8000 PSI AT 14 DAYS
9000 PSI AT 28 DAYS

ALL APPLICATION AND PERFORMANCE VALUES ARE TYPICAL FOR THE MATERIAL BUT MAY VARY BECAUSE OF VARIATIONS IN TEST METHODS, CONDITIONS, AND CONFIGURATIONS.

LIMITATIONS:

DO NOT FEATHER-DEGE REPAIR PATCHES, THICKNESS OF PATCHES MUST BE A MINIMUM OF ½". SUBSTRATE MUST BE DAMP DURING APPLICATION.

STORAGE:

STORE MATERIAL IN A DRY AREA BETWEEN 40* F AND 85* F AT LOW HUMIDITY. KEEP CONTAINER TIGHTLY CLOSED.

PACKAGING AND COVERAGE

SERIES 106 HIGH DENSITY MORTAR IS PACKED IN A 5 GALLON PAIL CONTAINING 50 POUNDS. ONE 50-POUND PAIL YIELDS APPROXIMATELY 0.40 CUBIC FEET. EXTEND WITH 50 POUNDS OF AGGREGATE, YIELD INCREASES TO APPROXIMATELY 0.78 CUBIC FEET.

SAFETY:

RUBBER GLOVES AND/OR BARRIER CREAMS, PROTECTIVE CLOTHING, AND GOGGLES SHOULD BE WORN. PROVIDE SUFFICIENT MECHANICAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN A LOW LEVEL OF DUST EXPOSURE. IF VENTILATION IS NOT PROVIDED, A NIOSH/MESA RESPIRATOR SHOULD BE WORN.

FIRE:

FLASH POINT ABOVE 200* F.

DISPOSAL:

IN CASE OF SPILLAGE, COLLECT AND DISPOSE OF IN ACCORDANCE WITH LOCA. STATE, AND FEDERAL APPLICABLE REGULATIONS.

SPECIAL PRECAUTIONS:

SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (LIQUIDS, VAPOR, AND/OR SOLID) EXTREME CAUTION SHOULD BE EXERCISED IN THEIR HANDLING. PRIOR TO USE, CONSULT MSDS. NOT FOR INTERNAL CONSUMPTION.