

SEALING SYSTEMS, INC.

FLEX-SEAL UTILITY SEALANT®

PREPPING/CLEANING SUBSTRATE

THE SUBSTRATE SURFACE MUST BE **DRY** AND FREE OF DUST, LOOSE DEBRIS, LATENCIES, SAND, DIRT, OIL, GREASE, BITUMINOUS COATINGS, PAINT COATINGS, AND CHEMICAL CONTAMINATION.

A BLOWER IS RECOMMENDED TO COMPLETELY **DRY** THE SURFACE. A PROPANE TORCH MAY BE USED PROVIDED YOU USE THE PROPER SAFETY PRECAUTIONS. CAUTION SHOULD BE TAKEN BECAUSE OF THE EXPLOSIVE GASES COMMONLY ASSOCIATED WITH SANITARY MANHOLES.

ALL HYDROSTATIC LEAKS MUST BE STOPPED BY USE OF AN APPROPRIATE WATER STOP MATERIAL. RECOMMENDED "AQUA SEAL" CHEMICAL GROUT MANUFACTURED BY SEALING SYSTEMS, INC.

*AFTER SANDBLASTING, BLAST THE SURFACE WITH CLEAN AIR TO REMOVE ANY LOOSE SAND EMBEDDED INTO THE SUBSTRATE. AN ACETONE WET WIPE IS ALSO RECOMMENDED.

SANDBLASTERS SHOULD HAVE A MINIMUM RATING OF 70 CFM @ 90 P.S.I. AND DUST FREE SILICA SAND IS RECOMMENDED.

CURING TIMES ARE BASED ON WEATHER CONDITIONS OF 70 DEGREES FAHRENHEIT AND 60% RELATIVE HUMIDITY. CURING TIMES MAY CHANGE DRAMATICALLY DEPENDING ON WEATHER CONDITIONS. FLEX-SEAL UTILITY SEALANT **WILL NOT BOND PROPERLY TO UNCURED CEMENTITIOUS PRODUCTS. FOR BEST RESULTS CONTACT THE MANUFACTURE TO DETERMINE THE CURE TIME RELATED TO THE WEATHER CONDITIONS YOU ARE WORKING IN.

OPENINGS OR GAPS LARGER THAN 3/8" SHOULD BE PATCHED WITH SPRAY FOAM INSULATION, FOAM WEATHER STRIPING, OR A QUICK SET CEMENT (WHEN USING A QUICK SET CEMENT YOU MUST CONTACT THE MANUFACTURER TO DETERMINE THE TIME REQUIRED FOR THE CEMENT TO COMPLETELY CURE).

IF LINING THE SURFACE WITH A CEMENTITIOUS, EPOXY, OR FIBERGLASS MATERIAL **DO NOT** PLACE ANY MATERIAL ONTO THE CASTING FRAME. THE FLEX-SEAL UTILITY SEALANT WILL FORM THE BOND BETWEEN THE FRAME AND THE STRUCTURE.

FLEX-SEAL UTILITY SEALANT® **WILL NOT** BOND TO ANY CEMENTITIOUS MATERIAL WITH A CHEMICAL COMPOSITION THAT INCLUDES LATEX.

BITUMINOUS COATINGS (CAST IRON)

REMOVE ALL BITUMINOUS OR PAINT COATINGS WITH A *SANDBLASTER.

BRICK CONSTRUCTED MANHOLES

MUST BE EITHER ABRADED WITH A *SANDBLASTER TO CREATE AN ANCHOR PATTERN FOR THE PRODUCT TO BOND TO OR PROFILED WITH A CEMENTITIOUS MATERIAL WE RECOMMEND CHIMNEY PATCH & REPAIR (CPR) - MFG. SEALING SYSTEMS, INC

BUTYL MASTIC

MUST BE REMOVED COMPLETELY ANY TRACE OF BUTYL MASTIC WILL DESTROY THE FLEX-SEAL MATERIAL. IF THE BUTYL MASTIC CANNOT BE REMOVED COMPLETELY IT MUST BE COVERED WITH A CEMENT MATERIAL.

ALUMILINER-MFG. QUADDEX INC.

MUST BE ALLOWED TO CURE A MINIMUM OF **7 DAYS** THEN SANDBLASTED.

(CPR) CHIMNEY PATCH & REPAIR - MFG. SEALING SYSTEMS, INC. (800-478-2054)

MUST BE ALLOWED TO **CURE A MINIMUM OF **4 HOURS** THEN SANDBLASTED.

CLAY PIPE

MUST BE ABRADED WITH A *SANDBLASTER TO CREATE AN ANCHOR PATTERN FOR THE PRODUCT TO BOND TO.

CONCRETE NEW

MUST CURE FOR **28 DAYS** THEN IT SHOULD BE CLEANED WITH A SANDBLASTER REMOVING ANY RELEASE AGENTS OR FORM OILS.

CONCRETE OLD

SHOULD BE SANDBLASTED.

EMACO S88 CI - MFG. MASTER BUILDERS, INC. (BASF Building Systems, Inc. 800-433-9517)

MUST BE ALLOWED TO **CURE A MINIMUM OF **28 DAYS** THEN EITHER SANDBLASTED OR ETCHED WITH A MURIATIC ACID/WATER SOLUTION 1:20 RATIO AND NEUTRALIZED WITH AN AMMONIA/WATER SOLUTION 1:5 RATIO.

EPOXIES

SHOULD BE CLEANED WITH A SANDBLASTER, THE SURFACE MUST BE COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

FIBERGLASS

SHOULD BE CLEANED WITH A SAND BLASTER, THE SURFACE MUST BE COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

FOSROC - MFG. FOSROC INC.

SHOULD BE CLEANED WITH A SAND BLASTER, THE SURFACE MUST BE COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

HIGH-BUILD - MFG. PARSON ENVIRONMENTAL PRODUCTS, INC

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

HYDRO PLUG - MFG. QUADDEX INC.

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

MAINSTAY ML-72 - MFG. MADEWELL PRODUCTS CORP.

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

MS-2A PORTLAND CEMENT - MFG. STRONG SEAL SYSTEMS, INC. (800-982-8009)

MUST BE ALLOWED TO **CURE A MINIMUM OF **4 DAYS** THEN EITHER SANDBLASTED OR ETCHED WITH A MURIATIC ACID/WATER SOLUTION 1:20 RATIO AND NEUTRALIZED WITH AN AMMONIA/WATER SOLUTION 1:5 RATIO. (NOTE: THIS PRODUCT IS SPRAY APPLIED BY APPROVED STRONG SEAL SYSTEMS APPLICATORS)

MS-2C CALCIUM ALUMINATE - MFG. STRONG SEAL SYSTEMS, INC (800-982-8009)

MUST BE ALLOWED TO **CURE A MINIMUM OF **4 DAYS** THEN EITHER SANDBLASTED OR ETCHED WITH A MURIATIC ACID/WATER SOLUTION 1:20 RATIO AND NEUTRALIZED WITH AN AMMONIA/WATER SOLUTION 1:5 RATIO. (NOTE: THIS PRODUCT IS SPRAY APPLIED BY APPROVED STRONG SEAL SYSTEMS APPLICATORS)

PAINT COATINGS

REMOVE ALL PAINT OR BITUMINOUS COATINGS WITH A SANDBLASTER.

PLANITOP X – MFG. MAPEI

MUST BE ALLOWED TO **CURE A MINIMUM OF **28 DAYS** THEN SANDBLASTED.

PVC

SHOULD BE CLEANED WITH A SANDBLASTER, THE SURFACE MUST COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

QM-1S RESTORE - MFG. QUADDEX INC

MUST BE ALLOWED TO **CURE A MINIMUM OF **6 DAYS** THEN EITHER SANDBLASTED OR ETCHED WITH A MURIATIC ACID/WATER SOLUTION 1:20 RATIO AND NEUTRALIZED WITH AN AMMONIA/WATER SOLUTION 1:5 RATIO.

(QSR) QUICK SET REPAIR - MFG. STRONG SEAL SYSTEMS, INC. (800-982-8009)

MUST BE ALLOWED TO **CURE A MINIMUM OF **4 HOURS** THEN SANDBLASTED.

QUICK PLUG - MFG. PARSON ENVIRONMENTAL PRODUCTS, INC

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

RAVEN LINING SYSTEMS

SHOULD BE CLEANED WITH A SANDBLASTER, THEN THE SURFACE MUST COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

RELINER MSP CEMENT-MFG. STANDARD CEMENT MATERIALS, INC. (1-888-278-1337)

MUST BE ALLOWED TO CURE A MINIMUM OF 6 DAYS THEN SANDBLASTED.

ROCKLAND COUNTY SPECIAL MIX - MFG. ROCKLAND COUNTY SEWER DIST. #1

MUST BE ALLOWED TO **CURE A MINIMUM OF **4 DAYS** THEN SANDBLASTED.

SEWPERCOAT – MGF. KERNEOS, INC. (1-757-284-3256)

MUST BE ALLOWED TO **CURE A MINIMUM OF **4 DAYS** THEN SANDBLASTED.

SPEEDCRETE BLUELINE – MFG. TAMMS INDUSTRIES. KIRKLAND, IL (815-522-3394)

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

SPEEDPAVE MP - MFG. METALCRETE INDUSTRIES

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

SPRAY WALL - MFG. SPRAYROQ, INC.

SHOULD BE CLEANED WITH A SANDBLASTER, AND COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

T-LOCK - MFG. AMERON INTERNATIONAL

SHOULD BE CLEANED WITH A SANDBLASTER, THE SURFACE MUST BE COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

THOROC PLUG - MFG. CHEM REX-1-800-433-9517

MUST BE ALLOWED TO **CURE A MINIMUM OF **28 DAYS** THEN EITHER SANDBLASTED OR ETCHED WITH A MURIATIC ACID/WATER SOLUTION 1:20 RATIO AND NEUTRALIZED WITH AN AMMONIA/WATER SOLUTION 1:5 RATIO.

UNDERGROUND UTILITY MORTAR -MFG. SPEC MIX (1-888-SPECMIX)

MUST BE ALLOWED TO ***CURE A MINIMUM OF 28 DAYS THEN SANDBLASTED.

VERTAPAVE CEMENT - MFG. METALCRETE INDUSTRIES

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.

VYLON PIPE - MFG. LAMSON INDUSTRIES

SHOULD BE CLEANED WITH A SANDBLASTER, THE SURFACE MUST BE COATED WITH NHNS PREP MATERIAL MANUFACTURED BY SEALING SYSTEMS, INC. SSI PRODUCTS SHOULD BE APPLIED WITHIN 8 HOURS AFTER THE APPLICATION OF NHNS.

COMMERCIAL GRADE QUIKRETE-FAST SET OR QUICK SETTING-

DO NOT USE. PRODUCT HAS DIFFICULT BONDING PROPERTIES.