



APPLICATION PROCEDURE
PERMAKOTE PLUS®
LIMITED PONDING WATER ROOF COATING
CONCRETE ROOFING SURFACE
 Slab • Overlay • Pre-Cast • Cementitious • Locked Gravel • & More

APPLICATION PROCEDURE #PLS-C
 Page 2 of 2
6 YEAR LIMITED MATERIAL WARRANTY

NATIONWIDE CHEMICAL COATING MFRS., INC. • 7106 24th Court East • Sarasota, Florida 34243 • U.S.A.

STEP#: 4 MATTING One-Ply Polyester Waterproofing and Reinforcement Roof Mat (If Applicable, otherwise proceed to STEP#: 5)

Tape all visible seams, valleys, joints, large cracks & fractures prone to water intrusion on roof surface. Apply a liberal coat of PRIMER (PERMABOND™) at 12-16 mils wet film thickness, directly to the affected area using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .021 minimum tip size. Remove all line filters and gun filters before spraying. Lay the PERMAMAT™ directly onto the WET PRIMER. Mat must be put down before PRIMER has had a chance to start drying (approximately 15 minutes). Overlap Mat at least 4 inches. After all areas are matted let dry for 2 to 4 hours. Apply a second light coat of PRIMER at 6-8 mils wet over the top of the mat. Let dry for at least 2 hours before continuing. If a full PRIMER coat (Step#: 6) is applied the second light coat of PRIMER is recommended but not required. Continue to PRIMER coat (Step#: 6).

STEP#: 5 TAPING SEAMS (If Applicable, otherwise proceed to STEP#: 6)

Tape all visible seams, valleys, joints, large cracks & fractures prone to water intrusion on roof surface. Apply a liberal coat of PRIMER (PERMABOND™) at 12-16 mils wet film thickness, directly to the affected area using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .021 minimum tip size. Remove all line filters and gun filters before spraying. Lay the PERMATAPE™ directly onto the WET PRIMER. Tape must be put down before PRIMER has had a chance to start drying (approximately 15 minutes). After all areas are taped let dry for 1 to 2 hours. Apply a second light coat of PRIMER at 6-8 mils wet over the top of the tape. Let dry for at least 2 hours before continuing. If a full PRIMER coat (Step#: 6) is applied the second light coat of PRIMER is recommended but not required.

STEP#: 6 PRIMER COAT

Apply PRIMER (PERMABOND™) using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .021 minimum tip size. Remove all line filters and gun filters before spraying. The PRIMER must be applied perpendicular to the width of the roof. Example: If the width of the roof runs from North to South then the coating will be applied from East to West. This will be the start of a checkerboard application pattern. See diagram below. Apply the PRIMER at a rate of 100-150 square feet per gallon covering the entire roof surface. Wet film thickness of 12-16 mils resulting in a dry film thickness of 4-7 mils. Let PRIMER dry at least 4 hours before continuing.

STEP#: 7 FIRST COAT of ROOF COATING (PERMAKOTE PLUS®)

Be sure entire surface is clean and free of all moisture. Be sure the entire area to be coated is primed with a minimum dry film thickness of 4 mils. If not, then spot prime the deficient areas until the minimum dry film thickness is achieved. Apply First Coat of Roof Coating using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .027 minimum tip size. Remove all line filters and gun filters before spraying. The first coat must be applied perpendicular to the coat of PRIMER to continue the checkerboard pattern. See diagram below. Apply the first coat at a rate of 100-125 square feet per gallon per coat over the entire roof surface. Wet film thickness of 14-16 mils resulting in dry film thickness of 8-10 mils. Let dry at least 12 hours before continuing.

STEP#: 8 SECOND COAT of ROOF COATING (PERMAKOTE PLUS® or for extra protection use PERMAKOTE SUPER PLUS®)

Be sure entire surface is clean and free of all moisture. Be sure the entire area to be coated has a minimum dry film thickness of 12 mils (this includes 4 mils of PRIMER). If not, then spot coat the deficient areas until the minimum dry film thickness is achieved. Apply Second Coat of Roof Coating using: 1- brush, 2- at least a one inch nap roller, or 3- at least a one gallon per minute piston type airless sprayer with a .027 minimum tip size. Remove all line filters and gun filters before spraying. The second coat must be applied perpendicular to the first coat of ROOF COATING to complete the checkerboard pattern. See diagram below. Apply the second coat at a rate of 100-125 square feet per gallon per coat over the entire roof surface. Wet film thickness of 14-16 mils resulting in dry film thickness of 8-10 mils. Let dry at least 24 hours before Final Evaluation.

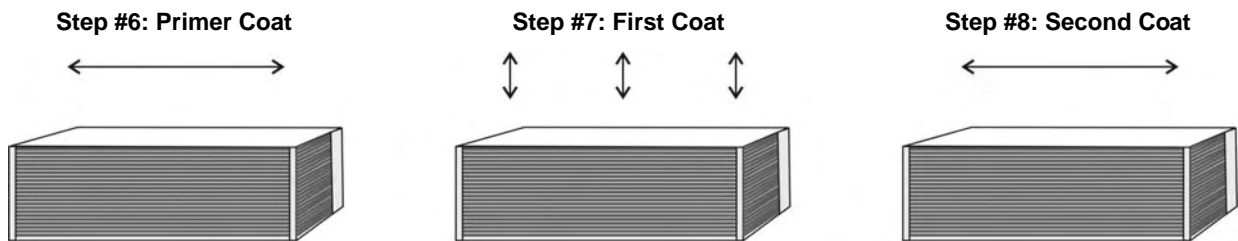
STEP#: 9 FINAL EVALUATION

At this time a detailed evaluation of the completed job will determine the quality of the workmanship and whether strict application specifications have been met. The entire roofing surface must be completely coated & sealed. Be sure to check that all roof areas are completely coated & sealed under permanently placed roof items such as roof top air conditioning units. Divide roof into 1,000 square feet sections and randomly check one spot in each section for a dry film thickness of all three coats of at least 20 mils; and at least 40 mils if PERMAMAT™ was used. Remember to touch up the penetration made by the dry film thickness gauge. If specifications have not been met, recoat the entire roof or deficient areas. Repeat evaluation and recoating until the required minimum dry film thickness is achieved.

How to Achieve

the Checkerboard

Application Pattern:



In Any Event Nationwide Chemical Coating Manufacturers, Inc. will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.

Phone: 941-753-7500 • U.S. Toll Free: 1-800-423-7264 • Fax: 941-753-1773 • E-Mail: info@natcoat.net