

11 ACRYLIC ADHESIVE (MP 900)

NOTE: Acrylic adhesives require a porous substrate and therefore cannot be used over moisture reduction barriers/sealers (MRB).

NOTE: MP 900 cannot be used in sport product installations.

NOTE: Acrylic adhesives must only be used on a porous substrate. Acrylic adhesives cure through the evaporation and dissipation of moisture. If a substrate is not porous the adhesive will not cure and a failure is inevitable. Before proceeding with an installation using Mondo MP 900 acrylic adhesive, verify the concrete porosity (Refer to [Section 1.2.10.5](#)).

11.1 DESCRIPTION

MP 900 is a solvent-free acrylic-based adhesive specially designed for the permanent installation of Mondo commercial products, roll goods and tiles. MP 900 has an outstanding plasticizer migration resistance. When dry, MP 900 has a strong bond which limits the dimensional movement of the Mondo commercial flooring products.

11.2 LIMITATIONS

For indoor installations only.

NEVER use over gypsum based substrates.

DO NOT USE when the substrate temperature is below 65° F (18° C) or above 86° F (30° C), or when relative humidity exceeds 65%.

DO NOT USE over non-porous surfaces. If in doubt please contact Mondo's Technical Department for recommendations.

DO NOT USE on Mondo Everlay.

DO NOT USE with Mondo sport products.

Concrete subfloors must be completely cured (28 days minimum) and free from moisture vapor emissions and alkali conditions. **Moisture vapor emissions must not exceed 3 lbs/1,000 ft² (1.36 kg/93 m²) in 24 hours tested with the anhydrous calcium chloride test as per ASTM F1869.**

11.3 RECOMMENDED SUBFLOORS

- a) A fully cured concrete substrate (Refer to [Section 1.2](#)).

Note: It is recommended that all concrete slabs be tested for moisture. Moisture vapor emissions must not exceed 3 lbs/1,000 ft² (1.36 kg/93 m²) in 24 hours tested with the Anhydrous Calcium Chloride test as per ASTM F1869.

- b) A wood substrate that is recommended or guaranteed by the wood underlayment manufacturer, such as APA Exterior or CANPLY Exterior grade plywood , Group 1, CC type (Refer to [Section 1.3](#)).

11.4 SURFACE PREPARATION

All substrates must be structurally sound, smooth, solid, level, well fastened, dry, clean and free of dust, oil, grease, paint, tar, wax or any deleterious substances such as concrete hardeners and curing agents, which may prevent or reduce adhesion. The substrate should be inspected and must meet Mondo's [Subfloor Preparation](#) instructions as described in [Section 1](#).

11.5 MIXING

MP 900 IS READY TO USE. Simply quick mix and spread.

11.6 TROWEL SIZE

Trowel size must comply with our recommendations for the product to be installed. See Mondo Installation Manual for details on the recommended trowel or for more information please contact the Mondo Technical Department. Jobsite/substrate conditions will affect spread rate, it may be necessary to adjust trowel size or perform additional surface preparation.

11.7 APPLICATION

- 1) Refer to the appropriate section of the Mondo Installation Manual for the complete installation procedure of the specified commercial product.
- 2) A bond test should be performed before proceeding with an installation using MP 900 (refer to [Section 1.2.1.6](#)).
- 3) A porosity test should be performed before proceeding with an installation using MP 900 (refer to [Section 1.2.10.5](#)).
- 4) Use the recommended notched trowel with sufficient depth to ensure that at least 90% of the adhesive transfers to the material backing.
- 5) Allow the spread adhesive a few minutes of flash time before placing flooring material into it (10 minutes of open time). Proper adhesive transfer to the material backing should be confirmed periodically by lifting the flooring material and inspecting the backing for a minimum 90% transfer.

Note: The porosity and bond tests will help you determine the appropriate flash time. Proper adhesive transfer to the backing should be confirmed periodically by lifting the material.

- 6) Push out air using the recommended method, as described in the specified product's installation procedure.
- 7) Promptly clean adhesive smudges from flooring material surface with water, while adhesive is still fresh.
- 8) Promptly wash tools and hands with water while the adhesive is still fresh.



11.8 PHYSICAL PROPERTIES

Open time at 72°F (22°C)	
50% relative humidity.....	10 min.
Setting time at 72°F (22°C).....	24 hrs., 72 hrs. for rolling loads
Freeze/thaw stability at 0°F (-18°C).....	Stable 5 cycles
Flash point (water based product).....	>100°C (212°F)
Maximum tolerance of moisture vapor emissions from the concrete slab (using the anhydrous calcium chloride test).....	3lbs./1,000ft ² /24 hrs.
Cleaning.....	With water while adhesive is fresh
Color.....	White bone
Consistency.....	Buttery

Pails: 3.96 US gal. (15 L)

Shelf life is approximately 12 months when stored in original containers at room temperature in a dry heated area. Product will skin over if container is left open for too long.

NOTE: Consult the material safety data sheet for more information.

11.9 PROTECTION

- 1. Protect containers from freezing in transit and storage. This product is freeze/thaw stable at temperatures down to 0° F (-18° C). However, it is recommended to protect all water-based products from freezing. If frozen, do not stir until material has completely thawed.**
- 2. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.**
- 3. No foot traffic for a minimum of 24 hours after installation and no heavy or rolling loads (wheels, carts, etc.) for a minimum of 72 hours in order to allow proper adhesive set-up and curing. Failure to follow this recommendation can lead to dispersion of adhesive under the flooring prior to proper setting and can result in unwanted air pockets and bubbles.**

NOTE: Refer to material safety data sheets (MSDS) for more information regarding use, application, limitations and safety.

THIS PRODUCT IS NOT CONTROLLED UNDER THE CANADIAN REGULATION WHMIS.

CONTENT:

NJ TNRN 930 – This product does not contain any chemicals reportable under American Federal OSHA 29CFR 1910.1200.

In the event of a chemical emergency, spill, leak, exposure or accident,
in Canada call **CANUTEC 613 996-6666**
in USA call **CHEMTREC 800 424-9300**



KEEP OUT OF THE REACH OF CHILDREN.

NOTICE: We shall not be liable for incidental and consequential damages, as defined under the uniform commercial code, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. Our liability is expressly limited to replacement of defective goods. Any claims shall be deemed waived unless made in writing to use within thirty (30) days from date it was or reasonably should have been discovered.

DISCLAIMER: Refer to page 73 of this document.

WARNING: SHOULD YOU HAVE ANY CONCERNS OR BE UNSURE ABOUT SUBFLOOR CONDITIONS OR INSTALLATION PROCEDURES, PLEASE CALL OUR TECHNICAL DEPARTMENT.

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