

FORBO EZ-ON 100™ ADHESIVE TECHNICAL DATA

RECOMMENDED FOR USE WITH:

- Marmoleum® Modular, Marmoleum® Modular Striato, Marmoleum® Composition Tile (MCT)
- Marmoleum® Sheet, Walton, Marmoleum® Composition Sheet (MCS), Marmoleum® Sport

SPECIFICATIONS:

- FloorScore Certified by SCS Global Services
- Moisture Cured Urethane
- Isocyanate Free
- Non-flammable
- Storage: Do **NOT** Freeze. Store at minimum temperature of 65° F (18.3° C) and a maximum of 95° F (35° C).
- Shelf life: 6 months in unopened container
- Appearance and Odor: Tan color that dries clear with little to no odor
- VOC Emissions: Low VOC
- Spread Rate: Approximately 250 square feet per gallon
- Available in four-gallon units only



SUBSTRATE & TESTING REQUIREMENTS:

- Forbo EZ-ON 100™ adhesive can be used on all grade levels of concrete, approved suspended wood floors and approved existing resilient floors. All concrete substrates must be at least 60 days old and must be prepared in strict accordance with the conditions set forth in the latest version of ASTM F 710. The substrate must be dry, clean, smooth, and structurally sound.
IMPORTANT! The installation of a permanent, effective moisture vapor retarder is a requirement of ASTM F 710. Forbo EZ-ON 100™ adhesive is not intended for use on slabs where no moisture vapor retarder is in place. For additional information, contact Forbo's Product Support and Education Services.
- The surface pH of the concrete must not exceed a pH of 12.0. Concrete surfaces with pH readings less than 7.0 or above 12.0 will require remediation prior to installation.
- When an effective vapor membrane is present under a slab in accordance with ASTM F710, no moisture testing is required. Forbo EZ-ON 100™ adhesive is not intended for use on slabs where no moisture vapor retarder is in place. For additional information, contact Forbo's Product Support and Education Services.
- Conduct adhesive mat bond testing before beginning the installation. Bond testing will aid in identifying both the working characteristics of the adhesive, such as the appropriate drying times for the site conditions. Apply Forbo EZ-ON 100™ adhesive to a 1 square foot area. Allow the adhesive to dry, install and roll with a 100-pound roller. Wait 72 hours and remove. Flooring should require force to remove.

INSTALLATION GUIDELINES:

1. Areas to receive material should be clean, fully enclosed and weather tight. The permanent HVAC should be fully operational and controlled and set at a minimum temperature 65° F (18.3° C). If this is not possible, the areas should be acclimated and controlled by means of temporary HVAC to the service level conditions expected during occupancy. The temperature should range from 75° F ± 10° F (23.9° C ± 5.5° C) with a 40% - 65% ambient relative humidity. These conditions **MUST** be established at least seven days prior to beginning the installation, maintained during the installation, and continued for at least seven days following the installation.
2. The substrate must be free of all foreign materials including, but not limited to, dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, film-forming curing compounds, silicate penetrating curing compounds, sealing, hardening, or parting compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, and other foreign materials that might affect the quality of bond to the substrate.
3. Thoroughly stir adhesive before use. **DO NOT** shake adhesive or mix with an electric mixer. Manually stir only.
4. Trowel recommendation: 1/32" x 1/16" x 1/32" fine notch trowel. Replace the trowel when proper coverage is no longer attainable.
5. Spread the Forbo EZ-ON 100™ adhesive onto the floor. The adhesive will self-level as it sets up on the substrate.

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6. The open time and working time of Forbo EZ-ON 100™ will vary depending on the ambient temperature and ambient relative humidity of the space. Follow the chart below for open time (shown in hours) and working time (shown in minutes). A general indication of proper open time is when a firm touch produces no transfer of adhesive to the finger.

IMPORTANT! When the adhesive is touched at the optimal open time, there will be an oily residue noticed on the finger. As the adhesive cures, this residue will dissipate. If there is no oily residue, the adhesive is no longer workable and will no longer bond to the material backing.

Relative Humidity							
Temperature			OPTIMAL RANGE				
	30%		40%	50%	60%	70%	80%
	60°F (16°C)	Open = 100 min. Work = 6 hrs.	Open = 90 min. Work = 6 hrs.	Open = 80 min. Work = 6 hrs.	Open = 75 min. Work = 6 hrs.	Open = 72 min. Work = 5.5 hrs.	Open = 70 min. Work = 5 hrs.
	70°F (21°C)	Open = 92 min. Work = 6 hrs.	Open = 82 min. Work = 6 hrs.	Open = 72 min. Work = 5.5 hrs.	Open = 70 min. Work = 5.5 hrs.	Open = 65 min. Work = 5.5 hrs.	Open = 62 min. Work = 5 hrs.
	80°F (27°C)	Open = 85 min. Work = 6 hrs.	Open = 75 min. Work = 5.5 hrs.	Open = 65 min. Work = 5.5 hrs.	Open = 62 min. Work = 5 hrs.	Open = 60 min. Work = 4.5 hrs.	Open = 58 min. Work = 4 hrs.

- Once the Forbo EZ-ON 100™ adhesive has reached its optimal installation time, install the flooring into the Forbo EZ-ON 100™ adhesive. Be sure to use reference marks to lay out flooring, as the Forbo EZ-ON 100™ adhesive has a very strong grab and the repositioning of flooring once laid into the adhesive may be difficult.
- Immediately roll the flooring in all directions using a 100-pound roller to ensure that flooring has made complete contact with the adhesive. Additional rolling is required during installation to ensure that the material is flat and fully adhered.
- The use of a three-section wall roller or steel seam roller is required at walls, under toe kicks or anywhere the full weight of a 100 lb. roller cannot access or be applied.
- Remove any adhesive residue immediately with a clean white cloth with Forbo Adhesive Remover or mineral spirits. The area must then be rinsed with clean, cool water to remove all residue from the floor.
- Keep trowels clean when not being used to spread by scraping any excess adhesive off the trowel and then thoroughly clean the trowel with a clean rag and Forbo Adhesive Remover or mineral spirits. Ensure that all adhesive has been cleaned from the teeth of the trowel. It is recommended to clean before the adhesive has cured.
- Keep the lid on the pail when not in use.
- Once flooring has been installed and properly rolled, the flooring can immediately be cleaned and occupied.
- While the flooring can immediately be cleaned and occupied, the adhesive will continue to cure and build bond to the flooring installed. When possible, allow for additional time before wet maintenance to the floor to aid in moisture resistance of the flooring.

For additional information, Forbo's Installation and Floor Care Guidelines are available for download at www.forboflooringNA.com, or contact Forbo's Product Support & Education Services at +1-800-842-7839.