



Signature Series 4099

High Performance Multi-Purpose Adhesive

Signature Series

DESCRIPTION:

Signature Series 4099 High Performance Multi-Purpose Adhesive is recommended for the installation of most carpet backings used in heavy commercial applications. 4099 is an extremely aggressive adhesive which develops quick tack, for those hard to hold installations. 4099 is an excellent choice for installing carpet with Action-Bac, latex unitary, hot melt, axminster or Enhancer backings, in addition to the majority of carpet backings found in the market today in both direct and double-glue down applications. Signature Series 4099 can also be used in the installation of fibrous backed resilient floor covering.

SUBFLOOR PREPARATION:

Follow all manufacturer's recommendations and industry standards regarding subfloor preparation. Moisture tests are required on all concrete subfloors regardless of grade level, if freshly poured or classified as an older slab. Moisture testing should be performed by ASTM F1869 Calcium Chloride Tests with moisture levels not to exceed eight (8) pounds per Twenty-Four (24) hours per one thousand (1000) square feet or ASTM F2170 In Situ Relative Humidity Test with moisture levels not to exceed Ninety (90) percent. Additional information with regard to these tests and results can be obtained through Royal's Technical Service Department.

INSTALLATION DIRECTIONS:

1. Subfloor must be clean, dry, smooth and free of any contamination which may interfere with the adhesive bond. Seal all chalky, very porous floors with Parabond® M-620 Primer.
2. Follow floor covering manufacturer's recommendations regarding layout, cutting, seaming and maintenance.
3. Allow the adhesive to tack up when installing urethane foam backed carpet.
4. While the adhesive is designed to meet the challenges of poorly ventilated areas, sufficient air exchanges are still required to ensure proper curing of any latex-based adhesive.
5. Spread adhesive with the recommended notched trowel leaving ridges of sufficient height to establish complete transfer to back of floor covering. Trowel sizes may need to be adjusted due to subfloor porosity, floor covering backing and open time requirements.
6. Lay most floor coverings into adhesive within 20 minutes. Use the tacky dry installation method when installing non-porous backed carpeting. Lift floor covering periodically to check adhesive

- transfer to the backing. 100% adhesives transfer is required to promote maximum adhesive bond.
7. Roll carpet using the floor covering manufacturer's recommended roller shortly after installation. Seams require seam sealing using PARABOND® M-4263.
 8. Follow the Carpet and Rug Institute CRI 104 & 105 where applicable.

RECOMMENDED SUBSTRATES:

- Concrete
- Portland Based Underlayments
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Subfloors
- Properly Prepared VCT (Single Layer)
- Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

RESTRICTIONS:

1. Do not use to install any vinyl or PVC flooring.
2. For Interior installations only.
3. Do not install over adhesive residue including cutback.
4. Do not install when MVER is over 8 lbs per 1,000 sf per 24 hours, per ASTM F1869.
5. Do not install when relative humidity is over 90%, per ASTM F2170.
6. Do not install when ambient temperature is not between 60°F & 95°F.
7. Do not install when ambient relative humidity is above 65%.
8. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

PACKAGING:

- One 4 Gallon Pail

CLEAN-UP:

Remove wet adhesive immediately with a damp cloth. Use Mineral Spirits or M-315 Cleaner to remove dried adhesive.

WARRANTY:

Royal Adhesives and Sealants offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical service at 800 763-7272 or visiting www.Parabond.com.



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FLOORING	TROWEL	ESTIMATED SPREAD RATE
Moderate Backed Carpet		10-12 sq/yards per gallon
Heavy Backed Carpet		6-10 sq/yards per gallon
Carpet to Cushion in Double Stick		5-8 sq/yards per gallon
Felt Backed Sheet Flooring / Cushion to Substrate		18-20 sq/yards per gallon

Technical Data	
Base Polymer	SBR
Color	Straw
Solids	65-67%
VOC Content	<1 gram per liter
pH	9.6
Consistency	Fluid Paste
Trowelability	Light, Easy
Shelf Life	Two Year in Unopened Container
Storage	40°-95°F
Application Temperature	65°-95°F (18°-35°C)
Traffic Restrictions	Foot Traffic after 12 hours, Heavy Traffic after 24
Open Time	30-45 minutes Depending on ambient conditions
Freeze Thaw Stability	5 cycles @ 20°F



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