

KRAUS®

KPA-51

90% RH UP TO 10 LBS. MVER

Resilient Flooring & Vinyl-Backed Carpet Tile Adhesive

1. PRODUCT NAME

Kraus® KPA-51 Resilient Flooring & Vinyl-Backed Carpet Tile Adhesive

2. MANUFACTURED FOR

Kraus Flooring

65 Northfield Drive West
Waterloo, ON N2L 0A8
(866) 435-8665

3. DESCRIPTION

Kraus KPA-51 is a high performance pressure sensitive adhesive designed specifically for installing luxury/solid vinyl tiles and planks. Its high shear and peel strengths make it the best choice for installing large format tile/planks. Kraus KPA-51 forms a tenacious bond, while withstanding up to 10lbs MVER and 90% RH and has exceptional plasticizer migration resistance. This versatile adhesive can be applied as either a releasable or a permanent installation method.

Features and Benefits

- Moisture Control – Withstands up to 10 lbs MVER (ASTM F1869) / 90% RH (ASTM F2170)
- Ideal for LVT, LVP and Solid Vinyl Tile
- Re-bondable pressure sensitive with an aggressive bond
- Excellent plasticizer migration resistance
- Solvent-free and LEED® compliant; VOC 11 g/L, SCAQMD Rule 1168
- Non-flammable – NFPA Class A and UBC Class 1 fire resistance ratings (ASTM E84)
- Antimicrobial product protection
- Suitable for Heavy Commercial Traffic

Uses

For the interior installation of luxury/solid vinyl tile, solid rubber-backed tiles, luxury vinyl planks, solid vinyl sheet flooring, fiberglass-backed flooring, VCT, vinyl-backed carpet tile, cork tile, cork underlayment, homogeneous and heterogeneous sheet flooring, tile-over-tile installations (well bonded and limited to one layer).

Coverage and Trowel Options*

1/16" x 1/16" x 1/16"

Flooring (porous substrate): Luxury Vinyl Tile and Plank; Vinyl Composition Tile; Carpet Tile; Cork Underlayment
Coverage: 125-185 ft² per gallon

1/16" x 1/16" x 3/32"

Flooring (porous substrate): Luxury Vinyl Tile and Plank; Cork Underlayment
Coverage: 160-180 ft² per gallon

1/16" x 1/32" x 1/32"

Flooring (non-porous substrate): Luxury Vinyl Tile and Plank; Cork Underlayment
Coverage: 180-245 ft² per gallon

Short Nap Roller (3/8")

Flooring (non-porous substrate): Luxury Vinyl Tile and Plank; Carpet Tile; Cork Underlayment
Coverage: Up to 250-300 ft² per gallon

**The trowel notches referenced are those typically recommended for the type of flooring being installed and are shown as a guide. Consult flooring manufacturer for their specific trowel recommendations.*

Substrates

Concrete, flooring grade APA rated plywood, steel, marble, terrazzo, existing vinyl tile flooring (well-bonded; excludes self-stick), radiant heated subfloors (surface temperature not to exceed 85° F).

*Note: For uses and substrates not covered, please contact Customer Service at (866) 435-8665 / Technical Service (706) 277-5294.



Limitations

- For interior use only.
- Ensure substrate, flooring material and adhesive are fully acclimated (prior to installation) at the same temperature and humidity level expected during normal use (between 65-95° F with a relative humidity of no greater than 65%).
- For flooring, backings and underlayment not listed, contact technical services.
- Refer to flooring manufacturer's specific recommendations and industry standards and maintain these conditions after the installation.
- Ensure adequate ventilation during flooring installation.

4. TECHNICAL DATA

Product Type:	Acrylic Latex/PSA
Color:	Off white
Odor:	Very mild
PERMANENT Installations (Wet-set Method)	
Open Time:	Up to 20 minutes
Working Time:	Up to 40 minutes
PRESSURE SENSITIVE Installations (Tack-set Method)	
Tack Time:	Up to 45 minutes
Working Time:	12-14 Hours
VOC:	11 g/L
MVER:	10 lbs. (ASTM F1869) and/or 90% RH (ASTM F2170)
pH:	Must not exceed 10
Shelf Life:	1 year in unopened container
Storage:	Protect from freezing. Does not require thinning.

5. INSTRUCTIONS

Preparation

Concrete substrate must be dry (within tested moisture tolerance of flooring and adhesive product). Subfloors must be clean, structurally sound and within flat and level tolerance of manufacturer. All substrates must be free of substances that might inhibit the bond of the adhesive or the performance of the flooring or its installation. All substrate cracks, chips, holes, joints or high spots must be adequately repaired. Patching compounds must be suitable for the use application, cement-based and polymer-modified, and applied according to the manufacturer's instructions.

Installation

Maintain a consistent temperature and ambient relative humidity before, during and after installation (between 65-85°F and 30-50% ambient RH). Follow all industry standards and manufacturer's recommendations for floor flatness, acclimation and application of flooring materials. Spread adhesive uniformly onto the substrate using a trowel or roller (see trowel panel for recommendations). Adhesive trowel ridges should be well defined, consistent and achieve full coverage of the substrate. Observe open-time recommendation.

When installing over a porous substrate: place flooring into semi-wet adhesive for a permanent bond or allow adhesive to dry and become tacky to the touch for a releasable bond.

When installing over non-porous substrate: always allow adhesive to completely dry and become tacky before placing flooring. Once adhesive field has reached appropriate tack - install the floor covering into the adhesive field. Roll the floor covering with a weighted roller per manufacturers specific guidelines.

Post installation: Restrict foot traffic and moving of heavy objects for 24-48 hours.

PERMANENT: Open time: 20 minutes Working time: up to 40 minutes

PRESSURE SENSITIVE: Open time: 45 minutes Working time: 12 to 14 Hours
Setup time will vary with environmental conditions and porosity of substrate.

Curing

8-10 hours Environmental factors will cause the adhesive to dry / cure faster or slower

Clean-up

Fresh Adhesive – warm, soapy water on clean cloth.

Dried Adhesive – Mineral Spirits sparingly on clean, cotton cloth.

6. AVAILABILITY

Packaging

4 gallon Plastic Pail (15.14 L)	KPA51-4	805380508579
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7. WARRANTY

15-Year Moisture Control / 15-Year Direct Bond / 7-Year Double Bond

Kraus warrants that this product will be free from manufacturing defects for 12 months from the date of manufacture, when applied in accordance with Kraus' instructions and industry standards. Kraus' sole liability is to either supply new product or refund the original purchase price. **This limited warranty excludes all other express warranties including the warranties of merchantability for a particular use or purpose.** Any implied warranties arising by operation of law are limited to one year. Kraus will not be liable for any incidental or consequential damages.

Visit krausflooring.com for full warranty details.

8. MAINTENANCE

Not applicable.

9. TECHNICAL SERVICES

For technical assistance or installation questions not covered in this document, please contact our Customer Service at (866) 435-8665. Technical Service (706) 277-5294.

10. FILING SYSTEM

Division 9

