

KEY #401-C URETHANE ELASTOMER



Product Data Sheet

DESCRIPTION

KEY #401-C is a single component aliphatic, clear urethane topcoat used to seal a multitude of **KEY RESIN Systems**. Exhibiting excellent resistance to ultraviolet degradation, **KEY #401-C** provides a high-build, chemically resistant finish ideally suited for exterior exposure.

KEY ADVANTAGES

- Resistant to UV light degradation
- Weather resistant seal coat for all types of Key Resin exterior decking systems
- Oil, grease, and chemical resistant to a variety of chemicals
- Single component

KEY CONSIDERATIONS

- Temperature and humidity sensitive cure
- Adequate ventilation and proper respirators are necessary when applied in close quarters
- Minimum application temperature of 50°F
- Interior slab on grade installation must include a vapor barrier

COLOR SELECTION

KEY #401-C is a single component available in Clear only. If other color is required, refer to **KEY #401 Aliphatic Urethane**.

COMPOSITION

Aliphatic Polyurethane Elastomer

COVERAGE

KEY #401-C (varies by project, system) 100 ft²/gallon yields 8 mils DFT

CURE/DRY TIME

Pot Life, in container	3 hours @ 77°F
Recoat	12 hrs @ 77°F minimum 24 hrs @ 77°F maximum
Foot Traffic	48 hrs @ 77°F
Vehicular Traffic	96 hrs @ 77°F

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in **KEY RESIN COMPANY'S TECHNICAL BULLETIN #1**. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** Technical Service Department is pleased to answer any questions.

MIXING INSTRUCTIONS

Single Component

INSTALLATION

Thoroughly mix and apply with a squeegee, roller or brush. Allow to cure overnight before applying a second coat. Unused opened material must be used within several days as moisture from the air will initiate polymerization.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner. Consult Safety Data Sheet (SDS) for safety and health precautions.

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TECHNICAL DATA

Mixing Ratio	Single Component
Solids Content	52% ±3% Solids by Volume
VOC	250g/L
Weight	9.8 lbs/gal
Viscosity	500-700 cps

AVAILABILITY

Key Resins are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

PHYSICAL PROPERTIES

Adhesion (Peel)	ASTM C-794	50 pli
Abrasion Resistance	ASTM D-4060 (CS-17 wheel, 1 kg load, 1 000 cycles)	.010g loss
Chemical Resistance		No Effect – motor oil, road salt, caustic, anti-freeze, gasoline
Elongation, Ultimate	ASTM-D-412	175 ± 50%
Fire Resistance of System	ASTM E-108/UL 790 (or equal)	Class A on concrete
Hardness, Shore A	ASTM D-2240	90
Permeability	ASTM E-398	0.2 Perms
Tear Resistance	ASTM D-1004	150 pli
Tensile Strength	ASTM D-638	5000 ± 500 psi
Weather Resistance	ASTM D-822	No Visual Effect @ 2,000 hours

WARRANTY

Key Resin Company ("Key") warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed, and applied in accordance with recommendations of Key. If any product fails to meet this warranty, the liability of Key will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Key within (1) one year of delivery of materials. Key may in its discretion refund the price received by Key in lieu of replacing the material. No customer, distributor, or representative of Key is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Key. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Key reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. KEY'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND KEY SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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