

KELMAR T.E.

Totally engineered (T.E.) membrane traffic coating system

DESCRIPTION:

KELMAR T.E. (totally engineered) is a multi-layered, protective coating system. The system consists of a prime coat, a membrane and an abrasion-resistant, traffic bearing topcoat which is seeded with aggregate for skid resistance.

The thickness of the KELMAR T.E. system can be adjusted to accommodate varying degrees of traffic exposures:

Exposure 1

For parking stalls or other areas exposed to light traffic.

Exposure 2

For level traffic lanes and gradually sloping ramps, and for parking stalls in high traffic.

Exposure 3

For steep and/or helix ramps, high torque turning areas, and areas adjacent to ticket cashiers, etc.

Exposure 4

For heavy traffic in shipping and receiving areas.

RECOMMENDED FOR:

- Parking garages.
- Plaza decks.
- Stadiums.
- Areas requiring abrasion resistance combined with flexible membrane needs & not exposed to environmental elements.

FEATURES/BENEFITS:

- Prevents chloride ion penetration.
- Class A, fire rating.
- Tenaciously bonded primer.
- Permanently elastic membrane.
- High traction, skid-resistant wear course.
- High chemical & corrosion resistance.

COLORS:

Available in Black only.

PHYSICAL PROPERTIES:

Tensile Strength <i>ASTM D 412</i>	1600 psi (11MPa)
Tensile Elongation <i>ASTM D 412</i>	600%
Abrasion Resistance <i>ASTM C 501</i>	.069 gm
Impact Resistance <i>Gardner Impact Test</i>	160 in/lb (896 cm/kg)
Peel Adhesion <i>ASTM C 957</i>	Min 15-17 pli on concrete after water immersion
Test for Surface Burning Characteristics <i>ASTM D 2240</i>	
• Flame Spread:	14
• Fuel Contribution:	0
• Class:	1 or A
Hardness, Shore D <i>ASTM D 2240</i>	71

SURFACE PREPARATION:

- Surface and air temperatures must be at least 55 °F (12 °C) during installation and initial cure.
- Surface should be checked for soundness and any "hollow areas should be removed. All depressions or spalled areas and cracks should be pre-filled with a product approved by the certified contractor.
- Concrete substrate should have laitance removed preferably by the shot blast method.
- Detailing work such as injection and treatment of control and expansion joints shall be according to specifier recommendation.

APPLICATION:

This system is applied only by Master Builders Certified Contractors.

MAINTENANCE:

As ongoing maintenance (housekeeping to maintain facility appearance), KELMAR T. E. systems can be cleaned with an appropriate alkaline based cleaner.

SAFETY:

For industrial and professional use only. For detailed safety guidelines, please refer to the product Material Safety Data Sheet (MSDS).

LIMITATIONS:

- Not recommended for application on slabs-on-grade.
- This system is not to be used on top or plaza decks exposed to the elements (for top decks exposed to the elements, see KELMAR F.W.C. II T.E.).
- Store material in a cool, dry area [50 °F to 90 °F (10 °C to 32 °C)] away from direct sunlight, flame or other hazards.

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