

# KEMKO® 2500-SS

## Aromatic Slow-Set Polyurea Spray System

### TECHNICAL DATA SHEET

FOR PROFESSIONAL CONTRACTOR USE ONLY

Kemko 2500-SS is a slower setting, 100% solids, flexible, aromatic two-component pure Polyurea. The slower than typical gel time allows for a smooth finish, or for the introduction of aggregate, quartz, acrylic flake, rubber or a multitude of other media to provide a tough slip resistant or decorative finish. This odorless volatile-free elastomeric is specially designed to be applied to concrete, metal, Styrofoam (EPS), spray foam and wall coating applications. It can be applied in single or multiple applications from 10 mils to 150 mils, with care taken in vertical application work. Kemko 2500-SS offers a tack-free time of about 120 seconds and will not hydrolyze or contaminate other materials due to its inert nature. Kemko 2500-SS is moisture and temperature insensitive and will accommodate substrate movements while remaining strong.

#### FEATURES

- Slower set, smooth finish work
- 1:1 Mix Ratio
- 100% Solids
- No VOCs
- 50 Shore D Harness
- 300% or greater elongation

#### APPLICATIONS

- Deck Coatings
- Concrete Coatings, Wall Systems
- Over Styrofoam / Spray Foam Coatings
- Waterproofing
- Wear Courses, with aggregate
- Resilient Surface Coating

#### LIMITATIONS

Cannot be used in situations of extremely high or low pH, coupled with high temperature immersion. This is aromatic based and is not color stable. Contact ChemCo Systems for a more suitable system.

#### PACKAGING

30 Gallon Kit  
15 Gallons Part-A (Isocyanate) and 15 Gallons Part-B (Resin)

106 Gallon Kit  
53 Gallons Part-A (Isocyanate) and 53 Gallons Part-B (Resin)

Products are packaged by weight, so final package volume is a close estimation.

#### COLORS

Kemko 2500-SS comes in 3 standard colors: Tan, Black, and Light Gray. If you need a special color for a specific application, please contact ChemCo Systems for more information.

#### TECHNICAL DATA

PHYSICAL PROPERTIES	TEST METHOD	VALUE
Mix Ratio by Volume		1:1
Gel Time		~45 seconds
Tack-Free Time		~120 seconds
VOC Content		0
Solids Content		100%
Shore D Hardness,	ASTM D2240	51
Elongation	ASTM D638, Type IV	380-405%
Tensile Strength (PSI),	ASTM D638, Type IV	2900-3200
Tear Strength (lb./in.),	ASTM D624, Die C	360-400
Taber Abrasion, (CS-17 Wheel, 1000 Cycles)	ASTM D4060	< 25
Water Vapor Transmission, Proc A permeability (80mils), grams/Pa*s*m	ASTM E96	5.46E-11

## COVERAGE RATES

Mils	10	15	50	60	80
Sq. Ft.	160	107	32	27	20

The above figures are estimated coverage rates and can vary on the substrate condition and texture.

## MIXING

Must be installed using a 1:1 ratio plural high-pressure, heated pump, fitted with high-pressure impingement mix spray gun. The proper necessary equipment can vary by the individual application. Contact ChemCo Systems for more support.

## PREPARATION AND INSTALLATION

Coating performance and adhesion are directly related to surface preparation. Many surface-coating failures can be attributed to improper surface preparation. Coatings are partially dependent on the integrity and structure strength of the substrate. A properly prepared substrate is free of contaminants, including but not limited to dust, dirt, oil, grease, rust, and corrosion. In certain applications, priming the substrate will be required prior to applying Kemko 2500-SS. For additional information, please review the material processing and handling guide or contact a member of the ChemCo Systems technical support team.

Installation Temperature: -40°F to 300°F

Exposure Temperature: -40°F to 350°F, Dry

## SHELF LIFE

A properly stored product in original, unopened factory containers, kept at a temperature above freezing should have a shelf life of 12 months from the date of shipment. Proper storage temperature is 60°F to 110°F (16°C to 45°C).

## SAFETY

For in-depth information on product safety and precautions, please review the product SDS sheets. Prior to using the product, ensure that you have the proper personal protection equipment (PPE) available. This includes but is not limited to the following items:

- Safety Glasses with a splash shield
- Minimum Organic Cartridge Respirator
- Rubber or Nitrile Gloves
- Disposable or Reusable Long Sleeve Overalls
- Rubber or leather boots

Always be sure to follow the precautions listed below when using the material:

- Do Not use near high heat or open flame
- Do Not take internally
- Keep out of reach of children

Should not exceed 1/3 of the installed surfacing thickness.

## CLEAN-UP / DISPOSAL

Excess material can be mixed together at the proper ratio and disposed of without restriction once cured. Product containers may be disposed of according to local, state and federal laws.

## TECHNICAL SUPPORT

Additional information, technical assistance, and management services are also available from a ChemCo Technical Consultant.



**Limited Warranty:** Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with ChemCo Systems materials or have undergone training in application of ChemCo Systems materials. Published technical data and instructions are subject to change without notice. Contact your local ChemCo Systems representative or visit our website for current technical data, instructions, and project specific recommendations.

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