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ReactAmine® 1KSP Silicone Polyurea Dispersion

CODE: 1KSP

PRODUCT DESCRIPTION:

1KSP is a silicone modified polyurea dispersion “Powered by ReactAmine® Technology” designed for a wide range of rigid and flexible substrates such as wood, metal, vinyl, concrete and other plastic parts. **1KSP** is an excellent primer for concrete, metal, PVC and wood prior to applying polyureas. A key application is coating concrete, polyurethane, and polyurea bed liners to improve weatherability and color retention. This product has been developed to exhibit a combination of film hardness, flexibility, good water and abrasion resistance, and excellent solvent resistance. This product can be ordered with antimicrobial additives. The **1KSP** has anti-graffiti characteristics. **1KSP** May be cross linked with a special water dispersible aliphatic isocyanate to improve chemical resistance and toughness. Levels of 5-10% based on solids, should be added. On porous concrete, it is recommended to first apply primer **1K59**. This will fill up the pours in the concrete, yielding excellent adhesion to concrete. After the **1K59** is dry to touch, apply **1KSP** clear or colored.

PRODUCT SPECIFICATIONS:

Solids Volume%	37
Solids WT%	40
Cosolvent Contents WT%	
	H ₂ O 50
	N, methyl Pyrrolidone 10

COVERAGE:

1 gallon = 100 ft² @ 4 mils

TYPICAL PHYSICAL PROPERTIES:

		1KSP	2KSP-A
Viscosity@ 275° F	CPS	50-300	1200
Weight/Gallon	lbs	8.9	9.2
Appearance		Milky, white liquid	Clear
PH		7.5 – 9.5	
Freeze Thaw Stability		Passed 5 Cycles	
% N C O			16

TYPICAL FILM PROPERTIES:

		1KSP	1KSP + 5% A
Dry to touch	min	5	12
Film Appearance		Clear	Clear
Tensile Strength	psi	5980	6520
% Elongation		210	150
Hardness, Pencil		2H	3H

AVAILABLE COLORS:

1KSP is available in different colors, consult with an EPI representative for availability.

DISCLAIMER:

The technical data and any other printed information furnished by **Engineered Polymers, LLC.** is true and accurate to the best of our knowledge. **1KSP** conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray or injuries resulting from the use of **1KSP**. **Engineered Polymers, LLC.** makes no warranty, expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.



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