



Engineered Polymers International, LLC

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EP-2KSP — Polyurea

Description:

2KSP Polyurea is a 2 Component polyurea that reacts with aliphatic isocyanates to produce a high gloss, chemical resistant coating. **2KSP Polyurea** can be used on a variety of substrates such as bed liners, concrete, wood, metal and plastic for interior and exterior applications. **2KSP Polyurea** should be sprayed on bed liners, but can be rolled or sprayed on other surfaces at about 3-4 mils.

Key Benefits include:

- High gloss
- Excellent chemical resistance
- Quick drying
- Excellent surface hardness
- Excellent compatibility with polyurethane dispersions and other acrylic emulsions

Typical Properties	Unit	Value
Appearance		Clear
Stabilization		Anionic
Dynamic Viscosity Brookfield RVT, Spindle 2, 20 rpm	<i>mPa.s</i>	400 -1000
pH		7.5-8.5
Solids Content	%	35
Density	<i>g/cm³</i>	1.07
Weight/Gal	<i>lb/gal</i>	8.91
Solvent content	%	Solvent free
Freeze/thaw stability		No
MFFT	°C	17
Mixing Ratio	<i>B:A</i>	95:5
Pot Life	<i>hours</i>	< 2 hours
Cure Time @ 6 mils	<i>hours</i>	< 1 @ 75°F

Film Forming:

The MFFT of **2KSP Polyurea** can be reduced with a variety of co-solvents. The chart below is a list of solvents that can be used as coalescing solvents.

Solvent
Butyl glycol
Butyl diglycol
Dowanol DPM
Dowanol PM
Dowanol DPnB
Dowanol TPnB
Dowanol PnB
Propylene glycol butyl-acetate
Propylene glycol
NMP
Methoxybutanol
Ethanol
Lusolvan FBH
Proglide DMM

Storage:

EPI has determined that the shelf life of **2KSP Polyurea** is in excess of six months from the date of shipment receipt when the product is stored between temperatures of 5°C to 25 °C in its original packaging. **2KSP Polyurea** must be protected from freezing.

Safety:

Before using this or any other **EPI** product, consult the MSDS.

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