

## Macekote HFR 423Z • Fire Retardant Polyurethane

### KEY FEATURES

- Contains NO Halogens, Antimony Oxide, Borates & Phosphate-based FR Additives
- Exceptional adhesion characteristics
- Tough but flexible films
- Good chemical & solvent resistance
- Clear, glossy films
- No crosslinker required
- Crosslinkable

### DESCRIPTION & USES

Macekote HRF-423Z is a fully reacted, aliphatic fire retardant polyurethane based on a hybrid PU technology, supplied as a fine particle dispersion in water. HFR 423Z does not contain any traditional FR additives like halogens, antimony oxides, borates, phosphates or aluminum trihydrates. The product is a high-performance, solvent resistant polymer with excellent adhesion to “difficult to adhere” substrates like EPDM rubber and vinyl. It gives the properties of a two-package system without the aid of external cross linking agents.

### PHYSICAL PROPERTIES

<b>Chemical Class</b>	Aliphatic
<b>Wet appearance</b>	Translucent
<b>Viscosity cps</b>	150 ± 50
<b>Solids %</b>	35 ± 1%
<b>pH</b>	7.50 – 8.50
<b>Co-solvent % NMP</b>	9.9%
<b>Voc g/l calculated</b>	235
<b>Modulus PSI</b>	1340

<b>Tensile PSI</b>	4760
<b>Elongation %</b>	225
<b>Gloss</b>	90
<b>Sward hardness</b>	60
<b>Freeze/ thaw stability</b>	yes
<b>Thermal stability</b>	yes
<b>Product density</b>	8.71 lbs/ gal
<b>Emulsion class</b>	Anionic

### HANDLING & STORAGE

Store this product above 70°F and prevent from freezing. Consult SDS before use.

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