



# Engineered Additives

## Product Properties & Applications Matrix

Key:  
 Preferred:  
 Recommended:  
 Developmental:



Roofing Applications	Hydrogreen® S	Hydrogreen® HFP	BituTech SEF	BituTech WA1	BituTech VPW	ReactiBOND	ReactiLINK	ReactiLINK XP
<b>Green Renewable Chemistry,</b> 100% renewable & safe	Preferred	Preferred	Preferred					
<b>Asphalt Viscosity Reduction,</b> 7-9% to change 3000 vis to 600 vis	Preferred			Recommended	Recommended			
<b>High-flash Viscosity Reduction,</b> 7-9% to change 3000 vis to 600 vis		Recommended						
<b>Reduced Oxidation Time,</b> e.g. 20-30% Faster Batch Cycle Time								
<b>Oxidize at Lower Temperature,</b> e.g. 50 °F lower								
<b>Post Oxidation Modifier,</b> e.g. 15 Pen @ 220:19 Pen@ 215 with 2%	Preferred							
<b>Oxidize Harder Base Asphalt,</b> e.g. PG64-22 base vs. shingle flux								
<b>Improve Low Temperature Performance,</b> e.g. reduced risk of cracking	Preferred							
<b>Improve High Temperature Performance,</b> e.g. increase stiffness				Preferred	Preferred			
<b>Suitable for BURA, all Types,</b> e.g. PG67-22 to Type III & IV	Recommended							
<b>Modify S.P. &amp; Pen without oxidation</b>								
<b>Elastic Recovery, Toughness &amp; Tenacity</b>	Preferred							
<b>Improved Weathering,</b> e.g. 20-30% Weatherometer Improvement								
<b>Pen &amp; S.P. Modifier,</b> e.g. Changes the Pen & Softening Point Relationship	Preferred			Recommended	Recommended	Recommended	Recommended	Recommended
<b>Reduced Polymer Requirement,</b> e.g. from 15-50% polymer reduction potential	Recommended			Recommended	Recommended	Preferred	Preferred	Preferred
<b>Low temperature processing aid,</b> e.g. Improve workability and handling	Recommended			Preferred				
<b>Low-(sulfur)-Fume Cross-linking</b> environmentally friendly emissions						Preferred	Preferred	Preferred
<b>Non-corrosive &amp; Free Flowing Cross-linker,</b> e.g. no caking in high humidity						Preferred	Preferred	Preferred
<b>Tank &amp; Vessel Cleaning,</b> e.g. Dissolve and Recover Asphalt Sediment	Preferred							