

SurfaceMax P-107

Asphaltic Seal Emulsion Properties & Comparisons

	P-107 Modified Clay Emulsion	Unmodified Clay Emulsion	P-107 Modified Chemical Emulsion	Unmodified Chemical Emulsion
Weather-Ometer Hours to Cracking	1400 None Noticed	400 Slight	1200 None Noticed	48
Hours to Chalking	1400 Slight	175 Severe	1200 None Noticed	48
# Exposure days Calif. To Chalking	180 None	36 Slight++	160 None Noticed	12 Severe
Water Absorption %	2.5	13.5	2+	10+
Wet Adhesion	Excellent	Poor	Excellent	Poor
Wet Toughness	Very Good	Poor	Excellent	Poor
Wet Chalking	None	Moderate	None	Severe
% Recovery After 20% elongation	24	18	Fail	Fail
Flexibility Fail Temperature F.	32F	37F	32F	57F
Temperature @ Tire Pull-up Damage	95+F	90F	140+F	100+F

Wearability is determined by use, emulsion, water, modification level, sand size and amount, and temperature and application technique.

P-107 exhibits higher temperature strengths. P-107 exhibits greater flexural properties, but is less abrasion resistant in some applications.

Asphaltic Emulsions used for testing were not a specific manufactured product or brand and no inference is made to any specific manufactured product or brand.

This information is made available for guideline purposes only and is not intended for specification purposes.

End-user should always determine the proper merchantability and suitability of particular mix designs and products for the intended specific use.

*This chart assumes the reader is familiar with the difference in clay stabilized asphalt emulsions and chemically stabilized asphalt emulsions and knows which type product