

## PermaTac<sup>®</sup> 99

Liquid antistrip for hot mix asphalt

### Benefits and features

- Easy to use:**  
 The product is a low viscosity liquid with good low temperature handling characteristics
- Low treatment costs:**  
 The mixes remain workable over long periods and at lower temperatures
- Suitable for most aggregate types:**  
 The product provides an economical treatment for a wide range of mixes

### Storage and handling

PermaTac 99 may be stored in carbon steel tanks. Bulk stores need not be heated. Avoid extended heating above 65°C (150°F). PermaTac 99 contains amines and may cause severe irritation or burns to skin and eyes. Protective goggles and gloves must be worn when handling this product. For further information consult the Safety Data Sheet.

### Packaging information

PermaTac 99 is available in bulk shipment, or in tight head steel drums of 400 lbs (181 kg) net weight.

### Notes

For regulatory reasons this product is not available in Canada.

### Dosage

Hot mix	0.25-0.75%	basis binder
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### Specification

Amine value, mg KOH/g	395-455	SMA CL002
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### Physical properties

Appearance at 25°C (77°F)	liquid
Flash point, °C	>200 (>392°F)
Pour point, °C	<-10 (<14°F)

	10	20	30	40	°C
	50	68	86	104	°F
Density, g/cc	0.99	0.98	0.97	0.96	
Density, lbs/U.S. gal	8.23	8.17	8.09	8.00	
Viscosity, mPa s (cP)	540	240	130	70	

Physical properties are typical data based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

For more information and sample formulations contact us at [asphalt@nouryon.com](mailto:asphalt@nouryon.com).

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We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

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