

Arquad® T-50 HFP

Emulsifier and co-emulsifier for cationic bitumen emulsions used for tack, prime, and cold mix applications

Benefits and features

- Emulsion quality:**
 The product produces fine particle emulsions with good wetting power especially suitable for tack and prime applications.
- Easy and safe handling:**
 The low pour point, high flash point and water solubility of Arquad T-50HFP makes it easy and safe to use.
- No need for acid:**
 The product is water –soluble. When used as the sole emulsifier the use of acid in the recipe is optional.
- Mixing grade emulsions:**
 The product can be used together with other emulsifiers to produce emulsions for open graded cold mix with improved coating and workability.

Storage and handling

Arquad T-50HFP contains chloride ion and stainless steel or glass or polymer lined tanks are recommended. Bulk storage need not be heated. Arquad T-50HFP contains quaternary 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

Arquad T-50HFP is available in bulk shipment, in tight head polymer drums of 200kg (441lbs) net weight, or in one-way totes (IBCs) of 950kg (2093lbs) net weight.

Dosage

Tack and prime coat	0.6-1.5%	pH 4-7 Hydrochloric acid
Cationic mixing grade	0.2-0.4(a)	pH 2-4 Hydrochloric Acid

No acid is required to prepare stable emulsions.
 (a) with 0.2-0.4% co-emulsifier like Redicote E-9

Specification

Water Content,%	<3	VE 2.006
Activity %	49-52	VE 2.007
pH (1% in water)	6-9	EP 2.002

Physical properties

Appearance at 25°C	Liquid		
Pour point, °C	<0 (<32°F)		
Flash point, °C	>100 (>212°F)		
Density, g/cc	0.950	0.97	0.96
Density, lbs/U.S. gal	7.93	8.08	8.03

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.

USA and Canada
Chicago, USA
T +1 800 906 9977

South America
Itupeva, Brazil
T +55 11 4591 8938

Central America and Caribbean
Mexico City, Mexico
T +52 55 5261 7895

China
Shanghai, China
T +86 21 2220 5000

South East Asia
Singapore
T +65 6635 5183

India
Mumbai, India
T +91 22 6842 6700

Europe
Stenungsund, Sweden
T +46 303 850 00

Middle East
Dubai, United Arab Emirates
T +971 4347 2491

Russia
Moscow, Russia
T +7 495 766 1606

All information concerning our products and/or all suggestions for handling and use contained herein (including formulation and toxicity information) are offered in good faith and are believed to be reliable. However, Nouryon makes no warranty express or implied (i) as to the accuracy or sufficiency of such information and/or suggestions, (ii) as to any product's merchantability or fitness for a particular use or (iii) that any suggested use (including use in any formulation) will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. The user must determine for itself by preliminary tests or otherwise the suitability of any product and of any information contained herein (including but not limited to formulation and toxicity information) for the user's purpose. The safety of any formulations described herein has not been established. The suitability and safety of a formulation should be confirmed in all respects by the user prior to use. The information contained herein supersedes all previously issued bulletins on the subject matter covered.

Products mentioned are trademarks of Nouryon and registered in many countries.

Nouryon

We create ingredients for the manufacture of life's essentials. You'll find our products all around you, in things like food, buildings, and everyday items like your children's toys.

Sustainability is at the heart of everything we do, and we rank #1 in the Dow Jones Sustainability Index. To keep devising sustainable, innovative solutions for the problems posed by everyday life, we want to work with the very best people and partners – like you.

nouryon.com