HN-5115

Technical Data Sheet

Styrene-acrylic copolymer emulsion / General water-based coating applications / TDS

01 Product Description

This product is a styrene, acrylate copolymer emulsion. The product has moderate hardness, good weather resistance, excellent adhesion, water resistance salt spray resistance, and good compatibility with antirust agents and antirust pigments. Product use Industrial paint topcoat, primer and surface treatment for light corrosion protection coating Technical indicators

02 Key Benefits

- This product is a styrene, acrylate copolymer emulsion.
- The product has moderate hardness, good weather resistance, excellent adhesion, water resistance salt spray resistance, and good compatibility with antirust agents and antirust pigments.
- Product use Industrial paint topcoat, primer and surface treatment for light corrosion protection coating Technical indicators

03 Recommended Applications

- General water-based coating applications

04 Technical Data

Item	Specification
No.	Production process
1	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
2	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
3	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
4	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
5	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
6	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
7	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
8	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6, 7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
9	(1) Mix components 1, 2, 3, 4, 5 evenly; disperse at 1500 rpm/min 10-15 minutes; (2) Add components 6,

	7, 8, 9 in sequence, disperse at high speed for 0-15 minutes, and then grind to the desired fineness.
10	(3) Add components 10, 11, 12 in sequence with stirring, and disperse at high speed for 10 minutes Then slowly add 13, 14, 15, 16, 17, 18 in order, adjust the system pH value to 8.5, adjust the system to the appropriate viscosity, recommended system viscosity 75-85KU (Stormer), and then stir slowly for about 5min.
11	(3) Add components 10, 11, 12 in sequence with stirring, and disperse at high speed for 10 minutes Then slowly add 13, 14, 15, 16, 17, 18 in order, adjust the system pH value to 8.5, adjust the system to the appropriate viscosity, recommended system viscosity 75-85KU (Stormer), and then stir slowly for about 5min.
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14	(3) Add components 10, 11, 12 in sequence with stirring, and disperse at high speed for 10 minutes Then slowly add 13, 14, 15, 16, 17, 18 in order, adjust the system pH value to 8.5, adjust the system to the appropriate viscosity, recommended system viscosity 75-85KU (Stormer), and then stir slowly for about 5min.
15	(3) Add components 10, 11, 12 in sequence with stirring, and disperse at high speed for 10 minutes Then slowly add 13, 14, 15, 16, 17, 18 in order, adjust the system pH value to 8.5, adjust the system to the appropriate viscosity, recommended system viscosity 75-85KU (Stormer), and then stir slowly for about 5min.
16	(3) Add components 10, 11, 12 in sequence with stirring, and disperse at high speed for 10 minutes Then slowly add 13, 14, 15, 16, 17, 18 in order, adjust the system pH value to 8.5, adjust the system to the appropriate viscosity, recommended system viscosity 75-85KU (Stormer), and then stir slowly for about 5min.
17	(3) Add components 10, 11, 12 in sequence with stirring, and disperse at high speed for 10 minutes Then slowly add 13, 14, 15, 16, 17, 18 in order, adjust the system pH value to 8.5, adjust the system to the appropriate viscosity, recommended system viscosity 75-85KU (Stormer), and then stir slowly for about 5min.

05 Packaging, Storage and Transportation

- Standard packages: 200 kg, 50 kg or 25 kg drums, or customized packaging as agreed.
- Store in a ventilated, dry warehouse and avoid direct sunlight.
- Recommended storage and transportation temperature: 5-30°C.
- Shelf life is six months; product may still be used after inspection if no abnormal change is found.

Safety: Water-based polymer emulsion; not readily flammable under normal conditions. In case of eye contact, rinse immediately with plenty of water.