

ThreeBond

Nov. 10, 2017
ThreeBond Co., Ltd.

Technical Data

ThreeBond 6168B

Chassis Coating Agent - Aqueous Type with High Rust Preventive Effect, Black (Thick Film Type)

1. Product description

ThreeBond 6168B is an aqueous based chassis coating agent. It has an excellent effect in preventing rust and keeping good appearance of chassis. Japan's Ordinance on the Prevention of Organic Solvents Poisoning does not apply to the product. The workplace is not affected by it. In addition, this product is not included as a PRTR (UNECE's Pollutant Release and Transfer Register) substance.

Hereinafter, ThreeBond is abbreviated to TB.

2. Features

- (1) Workplace friendly aqueous based chassis coating agent.
- (2) Thick coating (high-viscosity) type variation of TB6168.
- (3) Japan's Ordinance on the Prevention of Organic Solvents Poisoning are not applicable.
- (4) It has excellent rust-preventive properties and protects chassis from rust.

3. Applications

Protection of vehicle chassis against rust

4. Properties

Table 1 Properties of TB6168B

Test item	Unit	Result	Test method	Remarks
Appearance	-	Black	3TS-2100-001	-
Viscosity	mPa·s	1000	3TS-2F00-001	BL type, No.3, 60 rpm 25°C
Specific gravity	-	1.01	3TS-2500-001	25°C
Heating residue	%	24	3TS-2510-005	-
pH	-	9.2	3TS-6400-002	25°C

5. Characteristics

Table 2 Characteristics of TB6168B

Test item	Unit	Result	Test method	Remarks
Tack-free time	min	30	3TS-3130-004	25°C × 50%RH Wet 100 μm
Pencil scratch hardness test	-	B	3TS-2B00-008	-
Adhesion test	-	100/100	3TS-2140-001	Cross-cut method, 1mm
Mandrel bending test	-	No peeling / no cracking	3TS-2150-003	φ8mm
DuPont type impact test	-	No peeling / no cracking	3TS-4300-001	3 times (500 g × 50 cm)
Gloss meter	-	95	3TS-2930-001	60° gloss
Salt spray test	-	Rust width 2 mm	3TS-9300-001	1000 hrs (dried film thickness 40 μm)
Chemical resistance test	-	No cracking, peeling or blistering	3TS-9200-001	Ion exchange water for 24 hrs at 25°C
Chemical resistance test	-	No cracking, peeling or blistering	3TS-9200-001	10% salt water for 24 hrs at 25°C

Test piece preparation method

- 1) Use 0.8 × 70 50mm JIS G 3141 (SPCC-SB) steel plates with degreased surfaces.
- 2) Apply TB6168B uniformly with the Paster gun to obtain a dried film thickness of approx. 30 μm (40 μm or more on the salt spray test pieces).
- 3) After application, cu× 1 re the agent at 25°C for 24 hrs.

6. Usage

- (1) Thoroughly remove water, oil and other contaminants from the painted surface.
- (2) Sufficiently shake the container well until contents are mixed.
- (3) Set chassis painter by removing the metal container cap but not the inner polyethylene cap.
* When pouring the agent into a 1-L can to use it in small quantity, take care not to spill it.
- (4) Spray the agent at a chassis painter air pressure of 0.3 to 0.4 MPa at a distance of approx. 20 to 30 cm from the surface to be coated.
- (5) Usually the tack time is 30 minutes but may take longer in winter or prolonged damp conditions.
- (6) Sufficiently clean the used chassis painter with clean water, and operate it to blow off water. After drying, the agent becomes insoluble to water.

7. Directions for use

- (1) Do not use the agent for any purpose other than the specified purpose.
- (2) Do not use on non-painted plastics, tires, rubber or other surfaces around chassis.
- (3) Do not mix this product with water, solvents (thinner, gasoline, etc.) or other coating agents.
- (4) When the chassis surface is cold, apply it in a warm place if possible to finish the coated surface satisfactorily.
- (5) Never heat it on an open flame.
- (6) If the agent is cooled at 5°C or less, warm it with a band heater or the like prior to use.
- (7) For hazard and toxicity information not mentioned herein, see the safety data sheet (SDS).

8. Warning

- (1) Harmful to health. **Do not inhale or ingest.**
- (2) May be harmful if inhaled. Use in a well-ventilated area.
- (3) When using, wear protective equipment (mask, goggles, gloves, etc.)
- (4) Do not use toward the human body.
- (5) If on clothing, immediately remove clothing and thoroughly wash the affected skin area with clean water.
- (6) Keep out of reach of children.

9. First aid

- (1) If swallowed, do not induce vomiting. Immediately get medical attention.
- (2) If in eyes, immediately rinse with plenty of clean water. If an abnormality occurs, seek medical attention.
- (3) If on skin, immediately rinse with plenty of clean water.
- (4) If you feel bad while using it, immediately stop using it, and keep quiet in a well-ventilated place. If an abnormality occurs, seek medical attention. Persons with respiratory illness should use with caution.

10. Storage

- (1) Do not store it in a place where it will be exposed to direct sunlight, or it may easily rust owing to splash of water or high humidity.
- (2) **Do not freeze.** Store it in a cold dark place where there is no risk of freezing.

11. Disposal

After the agent has all been used, dispose of the container as industrial waste.

12. Cautions

For Industrial Use Only

(Do not use for household purposes.)

This product is developed for general industrial use. Before using this product, the user must accept the following terms:

- The technical data given herein are not guaranteed values, but examples of experimental values obtained by our specified test methods. We do not guarantee that the uses described herein do not conflict with any intellectual property right.

- Before using this product, confirm the appropriateness and safety of the use for the application in question, and bear all responsibilities and risks involved in the use. Never embed or inject into bodies nor use as a medical implant that may be left in the body.
- We are not liable for personal injury or property damage caused by improper handling of this product. If the properties or usage of the product to be used are unclear, never use it.
- For detailed safety information of the product, see the Safety Data Sheets (SDS). To obtain the SDS, contact our sales office or customer service center.
- Information in this document is subject to change at our own discretion.

13. Registered trademark

ThreeBond and Paster are trademarks or registered trademarks of ThreeBond Co., Ltd.