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Three Bond Co., Ltd.

Technical Data

ThreeBond 6155D

Three Luster, Long-term Anti-corrosion Agent (Water-based Type) for Protection from Salt Damage, Black

1. Product description

ThreeBond 6155D is a water-based type long-term anti-corrosion agent. It excels in working efficiency because it hardly splatters or drips during application and can dry quickly. Since it can form a coating film in an environment at a temperature below zero (down to -5°C), the workability in winter can be improved. It can be applied also to lower parts of cars and sealers on wheel housings.

Hereinafter, ThreeBond is abbreviated to TB.

2. Features

- (1) Water-based type long-term anti-corrosion agent for protection from salt damage
- (2) Since it hardly splatters or drips during application, it can form sufficiently thick films even on corners of car bodies where it is difficult to form thick films.
- (3) Since it can form a coating film in an environment at a temperature below zero (down to -5°C), the workability in winter can be improved.
- (4) It can be applied also to lower parts of cars and sealers on wheel housings.

3. Applications

Long-term corrosion prevention and protection of lower parts of cars, undercarriages and wheel housings

4. Properties

Table 1 Properties of TB6155D

Test item	Unit	Result	Test method	Remarks
Appearance	-	Gray	3TS-2100-020	-
	-	Black	3TS-2100-023	Dried coating film
Viscosity	mPa·s	3000	3TS-2F00-001	BL type, No.4, 60 rpm
Specific gravity	-	1.15	3TS-2500-002	Specific gravity cup
Heating residue	%	62.5	3TS-2510-005	105°C×3h
pH	-	8.85	3TS-6400-002	Deionized water, 10 fold dilution

5. Result

Table 2 Characteristics of TB6155D

Test item	Result	Test method	Remarks
Adhesion test	100/100	3TS-2140-001	Cross-cut method, 2 mm SPCC-SB plate
	100/100		Cross-cut method, 2 mm Urethane sealer(*1)
Mandrel bending test	No cracking or peeling	3TS-2150-003	After leaving at -20°C for 24 hrs. φ25mm(*2)
Salt spray test	No rusting	3TS-9300-001	Leaving for 500 hrs
Film forming ability test at low temperature	No cracking	*3	After leaving at -5°C for 12 hrs.

* Material of test piece: SPCC-SB plate (dimensions: 70 × 150 × 0.8 mm)

* Test piece preparation conditions:

Apply TB6155D to degreased SPCC-SB plates with a dedicated gun (wet coating thickness: 1000 µm), and leave the plates at room temperature for 1 week. Use the obtained plates as test pieces.

*1 Adhesion test (urethane sealer)

- 1) Apply Urethane Body Sealer 8654 made by Sumitomo 3M to degreased SPCC-SB plates with a spatula, and leave the plates at room temperature for 24 hours or more.
- 2) Apply TB6155D to the plates prepared in 1) with a dedicated gun (wet coating thickness: 500 µm), and leave the plates at room temperature for 72 hours. Use the obtained plates as test pieces.

*2 Mandrel bending

- 1) After preparing the test pieces, leave them in a thermostatic chamber at -20°C for 24 hours. Then, determine the test results.

*3 Film forming ability test at low temperature

- 1) Apply TB6155D to degreased SPCC-SB plates with a dedicated gun (wet coating thickness: 500 µm).
- 2) Leave the plates at -5°C for 12 hours, and visually check the coating film.

6. Usage

- (1) Before using the product, shake well the container.
- (2) Spray an appropriate amount of the agent on the surface to be coated with a dedicated coating device, such as a chassis painter.
- (3) If the product adheres to unintended surface, immediately wipe off with cloth.

- (4) After using the gun, to prevent nozzle clogging, wash the gun tip with clean water, and store it.

7. Directions for use

- (1) Do not use this product for any purpose other than the specified purpose.
- (2) Do not mix or dilute TB6155D with any substance.
- (3) When the surface to be coated is cold, apply it in a warm place if possible to finish the coated surface satisfactorily.
- (4) **Do not inhale or swallow.** This product is harmful to the health.
- (5) Inhalation of its vapor can harm the health. Use it in a well-ventilated place.
- (6) When using, wear protective equipment (mask, goggles, gloves, etc.)
- (7) Do not use toward the human body.
- (8) Keep out of reach of children.
- (9) If swallowed, do not induce vomiting. Immediately rinse the mouth, and get medical attention. .
- (10) If in eyes, repeatedly and sufficiently rinse with clean water, and immediately get medical attention.
- (11) If on skin, wash the skin with water or soap and water.
- (12) If you feel sick while using it, stop using it, and keep quiet in a well-ventilated place.
If you do not feel restored, get medical attention. Persons with respiratory illness should use with caution.
- (13) For detailed hazard information of the product, see the Safety Data Sheet (SDS).

8. Storage

Store in a dark place indoors. Do not store it in a place where it will be exposed to fire, heat sources and direct sunlight, it may freeze (0°C or less) or it may easily rust owing to splash of water or high humidity.

If it is frozen, do not use it. Dispose of it as industrial waste.

9. Disposal

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

10. Cautions

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.
- Users are asked to examine whether the product is appropriate to the purpose of use and can be used safely before they use it and bear all responsibilities and hazards involved in its 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 Sheet (SDS). To obtain the SDS, contact our sales office or customer service center.
- Information in this technical document is subject to change at our discretion without notice.

12. Registered trademark

ThreeBond and Three Luster are trademarks or registered trademarks of ThreeBond Co., Ltd.

For Industrial Use Only

(Do not use for household purposes.)