

ThreeBond

Technical Data

February 29, 2006
Three Bond Co., Ltd.

ThreeBond 6123

(Rust preventing coloring coat of silver type)

1. Outline

ThreeBond 6123 is a silver heat-resistant paint whose main component is a silicone resin. Since the paint is a one-coat type, it excels in workability and can be easily applied with a brush. Its dried and cured film has excellent adhesion and weatherability. Brake rotors that have rusted in red can be colored in silver with this material, thereby maintaining good appearance.

Since it is based on a heat-resistant resin, it can be used to paint mufflers.

2. Features

- (1) It can be easily applied with a brush.
- (2) Since it dries quickly, it excels in workability.
- (3) It has excellent heat resistance.
- (4) It has high water resistance and corrosion resistance and keeps good appearance for a long term.

3. Uses

- Rust preventive coating of disk brake rotors
- Rust preventive coating of disk brake calipers
- Rust preventive coating of car mufflers
- Heat-resistant paint for others

4. Properties

Item	Unit	Property	Test method
Appearance	---	Silver	3TS-201-01
Viscosity	mPa·s	35	3TS-210-01
Specific gravity	---	0.98	3TS-213-02
Heating residue	%	25	3TS-217-92

5. Characteristics

Item		Unit	Characteristic	Test method
Tack-free time (25°C × 50%)		min	Within 15	3TS-219-02
Du Pont type drop impact test		---	Passed three times (no cracking or peeling)	3TS-270-16 (500g × 40cm)
Adhesion test (cross-cut method)		---	100/100	3TS-270-01
Flexing resistance test		---	Passed	3TS-270-11(Ø10)
Salt spray test	24h	---	Rust width: 1 mm	3TS-605-01
	48h	---	Rust width: 2 mm	
Water resistance (48 hrs)		---	No visual defects	3TS-620-01
Quench resistance		---	No visual defects	Heating with gas burner for 1 min
Heat resistance		---	No visual defects	Heating with gas burner → Dipping in water

* The paint was applied to plates and dried at room temperature for 1 hour. Then, the paint was cured by heating at 150°C for 30 minutes. Thus obtained test plates were used.

* The test data are not our quality assurance values, but representative values.

6. Usage

- (1) Remove dirt, moisture and foreign particles from the surface to be treated with the paint. If the surface is covered with rust (particularly delaminating rust), polish the surface with sandpaper.
- (2) After sufficiently stirring the paint, apply it uniformly to the surface to be treated with it.
- (3) After it dries to the touch, fit the tire.

7. Warning

- * **Do not inhale or drink the paint.** It is harmful to the health.
- * When handling it, wear protective goggles, protective mask and protective gloves.
- * Keep it out of reach of children.
- * **It is flammable.** Do not use it near fire or sparks.

8. First aid

- * If the paint is swallowed, do not induce vomiting. Immediately get medical attention.
- * If it gets in the eyes, immediately wash them with clean water for more than 15 minutes. If any abnormality is found, get medical attention.
- * If it adheres to the skin, immediately wash it away with clean water and thinner. (After using thinner, wash the skin sufficiently with soap.)

- * If you feel bad while using it, stop using it, and keep quiet in a well-ventilated place. If you don't feel restored, get medical attention.

9. Instructions for use

- * Do not use the product for any purpose other than the specified use.
- * Do not use it on plastics or rubbers.
- * Do not mix it with other coating agents.
- * Before using it, shake well the container to sufficiently stir it.
- * When applying it to the brake rotor, take care not to apply it to parts with which the brake pad will get into direct contact. Check the braking force without fail.
- * If it is applied to areas not to be treated, immediately wipe it off the areas with waste cloth.
- * To dilute it, use a proper amount of xylene.

10. Storage and disposal

- * Store the product in a cool dry place avoiding direct sunlight.
- * It is flammable. Do not store it in a place where it may be exposed to fire, high heat or sparks.
- * Keep it out of reach of children.
- * Have the product disposed of as industrial waste by authorized disposal services.
- * After the paint has all been used, dispose of the empty container.

11. Cautions

The data given herein are not guaranteed values, but actual measurements obtained by us. Sufficiently examine the applicability of the product prior to use.

For industrial use only

(Do not use it for household products.)

Before using this product, you must accept the following sales terms.

- (1) The technical data given herein are experimental values obtained by our specified test methods. We do not absolutely guarantee the correctness and integrity of the data. Users are asked to examine by themselves whether the product is appropriate to the purpose of use before they use it and bear all responsibilities and hazards involved in its use. The scope of guarantee includes only replacement of clearly defective items.
- (2) We are not liable for personal injury or property damage caused by improper handling of this product.
- (3) We are not liable for any matter not mentioned herein unless otherwise specified in the contract.