

**TECHNICAL DATA****ATO-77****AUTOMOTIVE  
SCRATCH & CHIP REPAIR MARKERS****DESCRIPTION AND USES**

Rust-Oleum® Automotive Scratch & Chip Repair Markers are designed to repair surface scratches and chips on automotive finishes. It provides fast dry, excellent coverage and maximum durability. It is available in a wide variety of factory matched OEM colors. The flexible bottle allows for controlled paint flow.

**PRODUCTS**

| SKU (½ ounce) | Description                   |
|---------------|-------------------------------|
| CH40000       | Bright White                  |
| CH40001       | Radiant Red                   |
| CH40002       | Deep Cranberry Pearlcoat      |
| CH40003       | Champagne Pearl               |
| CH40004       | Light Driftwood Satin         |
| CH40005       | Hunter Green Pearlcoat        |
| CH40006       | Deep Sapphire Blue Pearlcoat  |
| CH40007       | Stone White                   |
| CH40008       | Steel Blue                    |
| CH40009       | Patriot Blue Pearl            |
| CH40010       | Bright Silver                 |
| CH40011       | Colorado Red                  |
| CH40012       | Inferno Red Pearlcoat         |
| CH40013       | Dark Garnet Red Pearlcoat     |
| CH40014       | Graphite                      |
| CH40015       | Bright Platinum               |
| CH40016       | Flame Red                     |
| CH40017       | Emerald Green Pearlcoat       |
| CH40018       | Intense Blue Pearlcoat        |
| CH40019       | Forest Green Pearlcoat        |
| CH40020       | Chili Pepper Red Pearlcoat    |
| CH40021       | Light Almond Pearl            |
| CH40022       | Café Latte                    |
| CH40023       | Brilliant Black Crystal Pearl |
| CH40024       | Magnesium Pearlcoat           |
| FD50000       | Oxford White                  |
| FD50001       | Silver                        |
| FD50002       | White                         |
| FD50003       | Twilight Blue                 |
| FD50004       | Cardinal Red                  |
| FD50005       | Mocha Frost                   |
| FD50006       | Electric Current Red          |
| FD50007       | Deep Jewel Green              |
| FD50008       | Performance White             |
| FD50009       | Royal Blue                    |
| FD50010       | Silver Frost                  |
| FD50011       | Toreador Red Pearl            |
| FD50012       | Pacific Green                 |
| FD50013       | Light Prairie Tan             |
| FD50014       | Amazon Green                  |
| FD50015       | Mineral Gray                  |
| FD50016       | Matador Red Pearlcoat         |
| FD50017       | Arizona Beige                 |
| FD50018       | Medium Wedgewood              |
| FD50019       | True Blue Pearl               |
| FD50020       | Deep Wedgewood Blue           |
| FD50021       | Dark Shadow Gray              |
| FD50022       | Silver Birch                  |
| FD50023       | Spruce                        |
| FD50024       | Chrome Yellow                 |
| FD50025       | Estate Green                  |
| FD50026       | Harvest Gold                  |
| FD50027       | Charcoal Green                |
| FD50028       | Woodland Green                |
| FD50029       | Dark Highland Green           |
| FD50030       | Dark Toreador Red Pearl       |
| FD50031       | Pueblo Gold                   |
| FD50032       | Aspen Green Pearl             |
| FD50033       | Gold Ash                      |
| FD50034       | Merlot                        |
| FD50035       | Sonic Blue Pearlcoat          |
| FD50036       | Redfire Pearl                 |
| FD50037       | Light Tundra Pearl            |
| GM60000       | Arctic White                  |
| GM60001       | White                         |
| GM60002       | Silver Metallic               |
| GM60003       | Black Sapphire                |
| GM60004       | Medium Garnet Red             |
| GM60005       | Pure White                    |
| GM60006       | Standard Red                  |

**PRODUCTS (cont.)**

| SKU (½ ounce) | Description                |
|---------------|----------------------------|
| GM60007       | Bright Red                 |
| GM60008       | Bright White               |
| GM60009       | Olympic White              |
| GM60010       | Bright Aqua                |
| GM60011       | Light Driftwood            |
| GM60012       | Cayenne Red                |
| GM60013       | Light Sandrift             |
| GM60014       | Jasper Green               |
| GM60015       | Pewter                     |
| GM60016       | Gold                       |
| GM60017       | Meadow Green               |
| GM60018       | Green                      |
| GM60019       | Medium Red                 |
| GM60020       | Dark Ming Blue             |
| GM60021       | Galaxy Silver              |
| GM60022       | Redfire Metallic           |
| GM60023       | Navy Blue                  |
| GM60024       | Indigo Blue                |
| GM60025       | Light Bronzermist Metallic |
| GM60026       | Ultra Silver               |
| GM60027       | Blue Red                   |
| GM60028       | Torch Red                  |
| GM60029       | Dark Polo Green            |
| GM60030       | Sunset Orange              |
| GM60031       | Regald Blue metallic       |
| GM60032       | Beige Metallic             |
| GM60033       | Dark Green                 |
| GM60034       | Emerald Green              |
| GM60035       | Victory Red                |
| GM60036       | Medium Green               |
| GM60037       | Dark Toreador              |
| GM60038       | Storm Gray                 |
| GM60039       | Opal Blue                  |
| GM60040       | Medium Spiral Gray         |
| GM60041       | Fine Silver Birch          |
| GM60042       | Dark Spiral Gray           |
| GM60043       | Light Tarnished Silver     |
| HON1000       | Frost White                |
| HON1001       | Milano Red                 |
| HON1002       | Cashmere Silver            |
| HON1003       | Eucalyptus Pearl Green     |
| HON1004       | Heather Mist               |
| HON1005       | Satin Silver               |
| HON1006       | Signet Silver              |
| HON1007       | Silver Metallic            |
| HON1008       | Rallye Red                 |
| HON1009       | Clover Green Pearl         |
| HON1010       | San Marino                 |
| HON1011       | Taffeta White              |
| HON1012       | Electric Blue Pearl        |
| HON1013       | Eternal Blue Pearl         |
| HON1014       | Nighthawk Black Pearl      |
| HON1015       | Naples Gold                |
| HON1016       | Graphite Pearl             |
| MT20000       | Bodega Beige               |
| MZ30000       | White                      |
| NS70000       | Aztec Red                  |
| NS70001       | Sapphire Blue              |
| NS70002       | Cloud White                |
| NS70003       | Sage Mist Green            |
| NS70004       | Black Cherry               |
| NS70005       | Champagne                  |
| NS70006       | Mahogany Pearl             |
| NS70007       | Sterling Mist              |
| NS70008       | Sunlit Sand                |
| NS70009       | Silver Crystal             |
| NS70010       | Brushed Pewter             |
| NS70011       | Pewter                     |
| NS70012       | Silver Mist                |
| SC2000        | Gray Filler & primer       |
| SU80000       | Glacier White              |
| SU80001       | Quick Silver               |
| SU80003       | Warm Gray Opal Mica        |
| TY90000       | Super White                |
| TY90001       | Super Red II               |
| TY90002       | Black                      |
| TY90003       | Medium Red Pearl           |
| TY90004       | White                      |
| TY90005       | Sunfire Red                |
| TY90006       | Platinum                   |
| TY90007       | Cashmere Beige             |
| TY90008       | Vintage Red Pearl          |



## TECHNICAL DATA

# AUTOMOTIVE SCRATCH & CHIP REPAIR MARKERS

### PRODUCTS (cont.)

| SKU (½ ounce) | Description          |
|---------------|----------------------|
| TY90009       | Graphite Gray Pearl  |
| TY90010       | Lunar Mist           |
| TY90011       | Dark Green Mica      |
| TY90012       | Evergreen Pearl      |
| TY90013       | Antique Sage Pearl   |
| TY90014       | Nature White         |
| TY90015       | Silver Metallic Opal |
| TY90016       | Desert Sand Mica     |
| TY90017       | Stellar Blue Pearl   |
| TY90018       | Millennium Silver    |
| TY90019       | Platinum Gray Pearl  |
| U1000         | Universal Black      |
| U1001         | Universal Flat Black |
| U3000         | Clear Coat           |
| VW10001       | Tornado Red          |
| VW10002       | Reflex Silver        |
| VW10003       | Candy White          |
| VW10004       | Silver Blue          |
| VW10005       | Indigo Blue          |

### PRODUCT APPLICATION

#### PAINTING CONDITIONS

Use outdoors or in a well ventilated area such as an open garage. Use when temperature is between 60-90°F (16-32°C) and humidity is below 60% to ensure proper drying. Do not apply to surfaces that, when heated, exceed 200°F (93°C).

#### PRIMING

If the scratch or chip exposes bare metal or if rust is visible, use of a Rust-Oleum Automotive Primer (#PRI2000) is recommended to provide added corrosion protection, enhanced adhesion and hiding. Allow primer to dry 1 hour before applying Rust-Oleum Automotive Scratch & Chip Repair markers.

#### SURFACE PREPARATION

Wash the surface with a commercial detergent, or other suitable cleaning method to remove dirt. Rinse with fresh water and dry with a clean cloth. For best results, remove all oil, grease, wax and petroleum based materials with Rust-Oleum Wax & Tar Remover. If necessary, remove loose paint and rust with a wire brush or sandpaper. Lightly sand glossy surfaces.

**WARNING:** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### PRODUCT APPLICATION (cont.)

#### APPLICATION

Shake the bottle well before and during use. Press paint pen on a hard surface such as a scrap piece of metal to release the pen valve. Squeeze the bottle to start the paint flow on the scratch or chip. Use a brush to smooth out the paint in one direction. Allow the paint to dry for 30 minutes before applying additional coats. Wait 24 hours after paint application before applying a clear coat. Do not use near open flame.

#### DRY & RECOAT

Dry and recoat times are based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures. Dries to the touch and can be recoated in 30 minutes. Wait 24 hours before using vehicle.

#### CLEAN-UP

Wipe off tip when finished and replace cap tightly. Clean up wet paint with acetone or lacquer thinner. Properly discard empty container.



## TECHNICAL DATA

# AUTOMOTIVE SCRATCH & CHIP REPAIR MARKERS

## PHYSICAL PROPERTIES

| AUTOMOTIVE SCRATCH & CHIP REPAIR MARKERS                       |  |            |
|--|--|------------|
| Resin Type   | Modified Acrylic                             |            |
| Pigment Type   | Varies with Color                            |            |
| Solvents   | Dowanol PM Acetate, Mineral Spirits, Toluene |            |
| Fill Weight  | ½ ounce                                      |            |
| Dry Times at 70-80°F<br>(21-27°C) and 50%<br>Relative Humidity | Touch  | 30 minutes |
|  | Recoat                                       | 30 minutes |
|  | Fully Dry                                    | 24 hours   |
| Dry Heat Resistance  | 200°F (93°C)                                 |            |
| Shelf Life   | 3 years                                      |            |
| Flash Point  | 59°F (15°C)                                  |            |
| Safety Information   | For additional information, see SDS          |            |

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