



Automotive Aftermarket Division

3M™ 58012 Single Step Low VOC Primer

1) Part Numbers

50812	:	30ml bottle
51011	:	250ml bottle

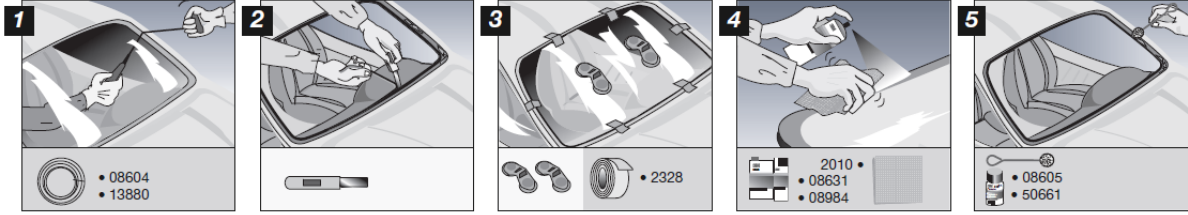
2) Description and end uses'

3M™ 58012/51011 is a single step low VOC primer designed to prime surface in order to improve the adhesion of polyurethane sealants onto glass that has been treated with a ceramic silk screen printing. The application is common in the automotive industry.

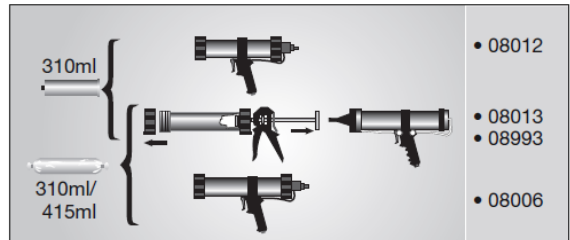
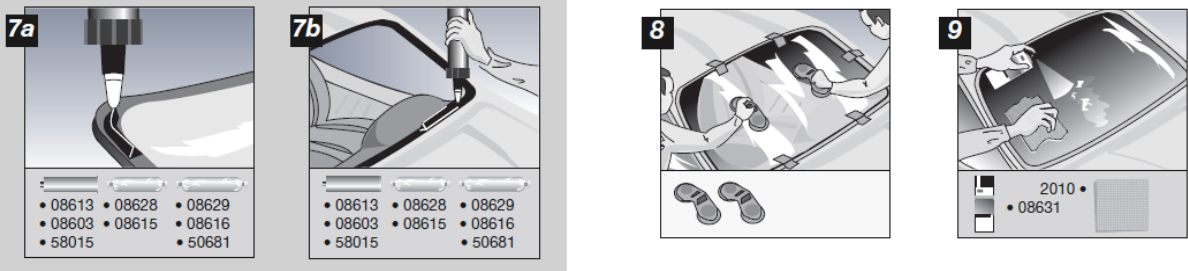
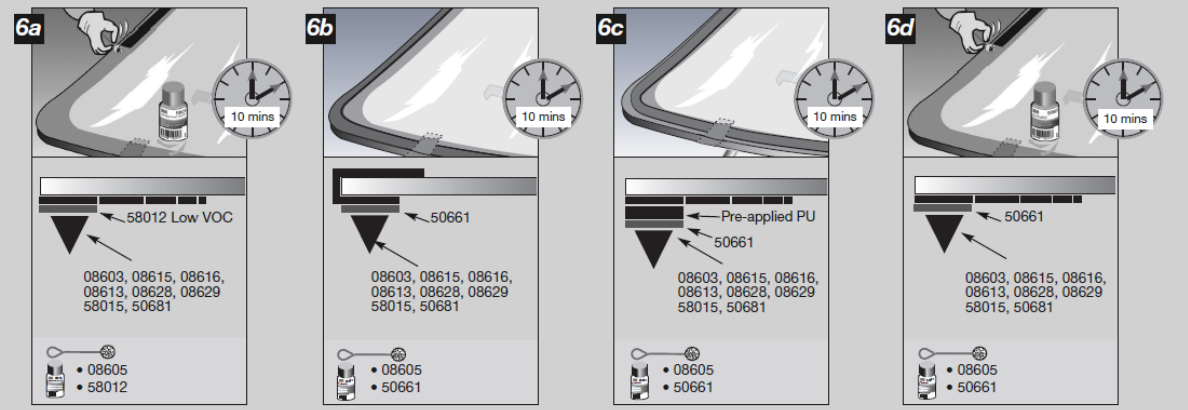
3) Physical Properties

Colour	black liquid
Viscosity	100 ml DIN cup, Ø=4 mm: 12-15 sec
Density at 20°C	0.9 ± 0.05
Conventional solids content (EN 827)	28.5 ± 1.5%
Application temperature	5 to 25°C
Drying time	10 to 15 min

4) Directions for Use



Ceramic Ceramique Keramik Keramiken Keramiken Cerámica Keramik Keramik Cerámica Cerámica	Keramik Keramik Ceramica Obwódka ceramiczna Keramika Keramická vrstva Keramisch Keramiken Keramik Seramik	Keramikas Stiklas su keramine juostele Ceramic С керамической обводкой/рамой Keramika Keramik Ceramica Keramik Seramik	PU Encapsulated PU PU Verkapselung PU Inkapuliert PU Kapseliert PU Forseglet PU Encapsulado PU Inkapuliert	PU Evbukovani PU Inkapuliert PU Kapsel PU zapovrženi Zapovrženy PU Ekapsuliert PU Hermetik PU Inkapuliert Stiklas su PU revizija	PU protejekt С полиуретановой рамкой Обложено С предпримено нанесено PU ленти Obloženo PU enkapsulie PU revizija Polurama aplikovano anterinori	Pre-applied PU Pré-appliqué PU Vorverarbeitetes PU Voorgebehandelde PU Yantra PU-lima Tilgeline prijet PU Pré-appliqué PU For-ålagte PU Polurama aplikovano anterinori	Priraplicirani PU Me predprimoženju PU PU pre-appliqué Wegene pokrycia potretanem Etikoline tilgeline PU Prheden aplikovany PU Vopred aplikovany PU Prej nanesen PU Eelpäigaldatud PU Lepikitsi nõidaks ar PU	Siklas, padentes PU kijais PU preapplied Co sloop polauratana Tvoritki nanaseno PU (lejlo C predprameno nanaseno PU leseno Fabrički nanasjen PU lepak Onasden PU ugylanan PU לבי היטום רודיק	Preprimed Pré-primé MR-Haftvermittler behandelt Voorgeprimerd Etaj primenit Tilgeline prijet Pré-primado For-primet Impriacionis previa Förprimad	Me predprimoženju Actripi Pre-primizzato Wegene pokrycia podkladem Etikoline primenit Opaleno zakladno nitrem Vopred aplikovany primer Prej nanasen primer Kunt Iepričkis grunists Gruntotas stiklas	Primer preaplicat Zarguytovaniye Tvoritki nanasen primer Predprameno nanasjen pripek Fabrički nanasjen primer Onasden primerlenimij Lbi hitimij
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3M PRODUCT Application	58012 Single Step Primer Low VOC	08617 Bottle WSD Clear	50661 Activator
Fritted Glass - 6a	✓		
Encapsulated Glass (PU or PVC) - 6b			✓
Pre-primed - 6d			✓
Fritted Glass with pre-applied PU - 6c			✓
Lacquered steel or Aluminium - 5			✓
Steel-Aluminium without paint (spot repair) - 5	✓		
Glass or Tinted Glass*	✓	✓	

Never use alcohol. *The primer must not be directly under UV exposure, a frame has to be applied on the other side in order to avoid UV exposure.

Drive Away Time Temps de libération du véhicule Wegfahrzeit Rijtuigartijd Kuluväisaika "Kjer i vel tid" Tempo de condução Tempo de seguridad antes de conducir Klar att köra Χρόνος Αποχώρησης Αυτοκινήτου Tempo di riconsegna veicolo Gotowości do jazdy Teljes száradási idő	08603 / 08615 / 08616			08613 / 08628 / 08629			58015 / 50681	
	310ml	310ml	415ml	310ml	310ml	415ml	310ml	415ml
Doba před jízdou Bezpečný čas do odjízdu vozidla Čas varnega odhoda Säduks valmis Žišanas laiks Dziūvimo laikas Трпм до иммобилизаци Время высыхания Vrijeme sušenja Време за съхнене Vreme sušenja Uygulama sonrası yola çıkış zamanı גזן התמה לנני תחילת נתינה	4 Hours/Heures/Stunden/Uren/Tuntia/Timer/Horas/Timer/ Hores/Тиммер/Цпсц/Оре/Годзинь/Ораћ/Нодинь/Нодинь/ Use/Tundi/Стандас/вал./Оре/48с./sata*/4800e/sata/ Seater/Тп/Ув			90 Minutes/мм/Minuten/Minuten/Minutia/Minuter/ Minutos/Minuter/Minutos/Minuts/Aemto/Minuti/ Percek/Minuty/Minuty/Minuta/Minuts/min./ Minute/Mer./minuta/Merij/minuta/Dakikalar/Тп/Тп			60 Minutes/мм/Minuten/Minuten/Minutia/Minuter/ Minutos/Minuter/Minutos/Minuts/Aemto/Minuti/ Minuty/Percek/Minuty/Minuty/Minuta/Minuts/Minutes/ min./Minute/Mer./minuta/Merij/minuta/Dakikalar/Тп/Тп	
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Technical Data Sheet

Effective: 04/06/19 Supersedes: 01/11/09

a) Glass preparation:

1. Always ensure that surfaces are clean and free from contamination.
2. Use 08631 Glass cleaner or 08984 Adhesive cleaner on red ScotchBrite™.
3. Clean with a light action.
4. Wipe over surface with 08631 Glass cleaner or 08984 Adhesive cleaner on a clean wipe.
5. Shake 58012/51011 single step Low VOC primer for 30 seconds before use, ensuring the metal ball contained within is moving freely.
6. Apply a thin layer of 58012/51011 single step Low VOC primer to the glass ceramic and leave for a minimum of 10 minutes (see Fig 6A).
7. For pre-primed edges, ceramic edges with pre-applied PU and encapsulated edges use the 50661 Activator and clean without using red ScotchBrite™.

Special instruction: For pre-primed glass, check adhesion of the pre-applied primer before applying 3M™ 50661 Activator. If adhesion is poor remove the pre-applied primer.

For glass or tinted glass, the 3M™ 8617 first step primer must be applied before the 58012/51011 Low VOC primer. A frame must be applied on the other side in order to avoid UV exposure.

b) Pinch weld preparation:

1) Where original polyurethane adhesive remains on the body frame, clean with 3M™ 08984 Adhesive Cleaner. Allow to dry before using a knife to reduce the thickness of the polyurethane to 1 mm. Apply 3M™ 58015 / 50681 glass adhesive. Use 3M™ 58012/51011 single step Low VOC primer to protect any exposed bare metal from corrosion. Do not apply any primer on the old polyurethane adhesive.

2) On a newly painted body frame (paint fully cured), apply 3M™ 50661 Activator. Allow to dry for a minimum of 10 minutes. Extrude a bead of 3M™ 58015 / 50681 Glass Adhesive onto the glass or the body frame (depending on car manufacturers' instructions). Install the glass within 10 minutes. Clean any excess adhesive using 3M 08984 Adhesive Cleaner. Application temperature is +10°C to +35°C.

5) Storage

12 months in unopened original packaging stored in dry premises between 0 and 25°C. Any contact with humidity (air moisture) will cause 3M™ 58012 to cure; therefore the product must be used within 24 hours after opening the bottle.

Hermetically seal the bottle immediately after use.



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6) Safety

3M™ 58012/51011 is highly flammable, extinguish all sources of ignition before use.

Harmful. Read material safety data sheet before use.

Do not breathe fumes and do not allow skin contact.

3M™ 58012/51011 Single Step Low VOC Primer is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.

7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of reliability relating to this product are governed by the Terms of Sale subject, where applicable, to the prevailing law

For Additional Health and Safety Information

3M South Africa & Sub-Saharan Africa, 146A Kelvin Drive, Woodmead, Sandton, South Africa, Tel: (0861) 225536
3M (East) AG Representation Office Tirane, Rruga Sami Frasherri, Pallati i Ri Perxhola Kati 2 Ap2, 1000 Albania
3M Arabia, LLC, Building 24-25 3M Saudi Arabia Zone C, Business Gate, Airport Road, Riyadh, Saudi Arabia
3M Bulgaria, Mladost 4, Business Park, bl.4, 2nd floor, Sofia 1766, Bulgaria
3M Česko, spol. s r.o., V Parku 2343/24, 148 00 - Praha 4, Czech Republic
3M (East) AG, Branch office Croatia, Avenija Većeslava Holjevca 40, 10 000 Zagreb, Croatia, Tel: +385 1 2499750, www.3m.com.hr
3M Egypt, Finance Center , New Cairo , Plot 140 , Banking Sector , 5th settlement , Cairo , Egypt
3M Hellas MEPE, Automotive Aftermarket Division, 20 Kifisias Avenue, 151 25 Marousi, Greece, Phone: +30 210 68 85 300, innovation.gr@mmm.com, www.3M.gr
3M Hungária Kft, Neumann János u. 1/E, 1117 Budapest, Hungary
3M Israel, 91 Medinat Hayehudim St., Herzliya, Israel
3M Kenya Ltd, Victoria Towers, 3rd Floor, Kilimanjaro Av, Upperhill, Kenya
3M Gulf Limited, Ein El Mreisseh, Saint Charles City Center, 4th. Floor, P.O.Box: 11-5025, Riad el Solh, Beirut 1107 2180 Lebanon
3M Minnesota Mining & Manufacturing Nigeria Limited, No 2 Sheraton Opebi Link Road, Ikeja, Lagos Nigeria
3M Pakistan, Islamic Chamber of Commerce Building, ST-2/A, Block 9, KDA Scheme 5, Clifton, Karachi, Pakistan



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3M Poland, Al. Katowicka 117, Kajetany, 05-830 Nadarzyn, Poland, Telefon: +48 22 739 60 00, www.3m.pl/kontakt
3M Gulf (Representation Office), Suhaim Bin Hamad St., Al Mana Towers Tower B, 2nd Floor, Office No.4, Doha Qatar, P.O.Box 14685
3M Romania, 12 Menuetului St., Bucharest Business Park, Building D, District 1 013713 Bucharest, Romania
3M (East) AG, Representation Office Serbia, Airport City, Omladinskih brigada 90B, 11070 Belgrade, Serbia, Tel: +381 11 2209 400, www.3m.co.rs/3M/sr_RS/3m-south-east-europe/
3M Slovensko s.r.o., Polus Tower 2, Vajnorská 100/B, 83104 Bratislava
3M (East) AG, Branch office Slovenia, Cesta v Gorice 8, 1000, Ljubljana, Slovenia, Tel: +386 1 2003 630, www.3m.com/3M/sl_SI/3m-south-east-europe/
3M Sanayi ve Ticaret As, Barbaros Mah., Mor Sümbül Sok., No:7/3F, 27-51, Nidakule Ataşehir Güney, 34746 Ataşehir, İstanbul, Turkey
3M Gulf Limited, Dubai Internet City, Building No. 11, 3rd Floor, U.A.E

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