

# 3 Marine Application Profile

## Bonding & Sealing

3M Marine offers a complete line of adhesives and sealants that are designed to perform in the harsh marine environment, including the legendary 3M™ Marine Adhesive/Sealant 5200.



# 3 Marine Application Profile

## Cosmetic Bonding & Sealing

## General Bonding & Sealing



### Applications:

- Deck Fittings
- Thru Hull
- Hatches
- Trim
- Electrical Assemblies
- Port Lights
- Toe Rails



**3M™ Marine Adhesive/Sealant 4000 UV** has superior UV resistance properties that make this an ideal cosmetic sealant. It is a one-part sealant that cures to form a firm, rubbery waterproof seal. Its flexibility allows for the dissipation of stress caused by shock, vibration, swelling or shrinking.

- Exceptional sealing/bonding properties
- Above or below the waterline use
- Fast curing
- Allows for disassembly

**3M™ Marine Adhesive/Sealant Fast Cure 4200** is a general purpose adhesive/sealant that allows parts to be disassembled without damaging wood or fiberglass. It is a one part polyurethane that cures with moisture for flexible bonds.

- Exceptional sealing/bonding properties
- Above or below the waterline use
- Fast Curing

<u>Part #</u>	<u>Description</u>	<u>Quantity/Case</u>
05260	3M™ Marine Adhesive/Sealant Fast Cure 4200 – White 3 oz.	6
05261	3M™ Marine Adhesive/Sealant Fast Cure 4200 – Black 3 oz.	6
06560	3M™ Marine Adhesive/Sealant Fast Cure 4200 – White 1/10 Cart.	12
06564	3M™ Marine Adhesive/Sealant Fast Cure 4200 – Black 1/10 Cart.	12
06580	3M™ Marine Adhesive/Sealant Fast Cure 4000 UV - 1/10 Gal. Cartridge	12
06586	3M™ Marine Adhesive/Sealant Fast Cure 4000 UV - 400 ml. Flex Pack	12
05280	3M™ Marine Adhesive/Sealant Fast Cure 4000 UV – 3 oz	25

## General Bonding & Sealing – Above Waterline

**3M™ Marine Grade Silicone Sealant** is a one-part sealant that cures to form a firm, rubbery waterproof seal. Excellent resistance to marine environment. Designed for marine applications above the waterline.

- Allows for disassembly
- Fast Curing
- Easy Clean-Up
- Non-Sagging



### Applications

- Above the waterline sealing
  - Fiberglass
  - Deck Hardware
  - Hatches

<u>Part #</u>	<u>Description</u>	<u>Quantity/Case</u>
08017	3M™ Marine Grade Silicone Sealant – White 3 oz.	6
08019	3M™ Marine Grade Silicone Sealant – Clear 3 oz.	6
08027	3M™ Marine Grade Silicone Sealant – White 1/10 Cart.	12
08029	3M™ Marine Grade Silicone Sealant – Clear 1/10 Cart.	12

# 3 Marine Application Profile

## Permanent Bonding & Sealing

### Applications:

- Hull to Deck
- Toe Rails
- Deck Fittings
- Thru Hulls
- Struts
- Stern Joints
- Trunk Joints



**3M™ Marine Adhesive Sealant 5200** is a one-part sealant that cures to form a firm, rubbery waterproof seal. 5200 has a long work time for large projects. Its flexibility allows for the dissipation of stress caused by shock, vibration, swelling or shrinking.

- Color: White, Black, Tan and Mahogany

### Key Attributes

- Exceptional sealing/bonding properties
- Above or below the waterline use

### 3M™ Marine Adhesive Sealant Fast Cure 5200

is a one-part sealant that cures to form a firm, rubbery waterproof seal. Fast Cure 5200 has a short work and cure time which allows boats to get back in service quicker. Its flexibility allows for the dissipation of stress caused by shock, vibration, swelling or shrinking.


- Color: White



<u>Part #</u>	<u>Description</u>	<u>Quantity/Case</u>
05203	3M™ Marine Adhesive/Sealant 5200 – White 3 oz.	6
05205	3M™ Marine Adhesive/Sealant 5200 – Black 3 oz.	6
05206	3M™ Marine Adhesive/Sealant 5200 – White 1 oz.	12
06500	3M™ Marine Adhesive/Sealant 5200 – White 1/10 Cartridge	12
06501	3M™ Marine Adhesive/Sealant 5200 – Tan 1/10 Cartridge	12
06502	3M™ Marine Adhesive/Sealant 5200 – Mahogany 1/10 Cart.	12
06504	3M™ Marine Adhesive/Sealant 5200 – Black 1/10 Cartridge	12
05220	3M™ Marine Adhesive/Sealant Fast Cure 5200 – White 3 oz.	6
06520	3M™ Marine Adhesive/Sealant Fast Cure 5200 – White 1/10 Cart.	12
21463	3M™ Marine Adhesive/Sealant 5200 – White 5 Gallon	1
21456	3M™ Marine Adhesive/Sealant 5200 – Mahogany 5 Gallon	1



# P R O D U C T S

PROPERTIES	5200	Fast Cure 4200	Fast Cure 5200	4000 UV	Silicone
DESCRIPTION	 <b>ABOVE</b> <small>Underwater</small> <b>BELOW</b> <small>THE WATERLINE</small>	 <b>ABOVE</b> <small>Underwater</small> <b>BELOW</b> <small>THE WATERLINE</small>	 <b>ABOVE</b> <small>Underwater</small> <b>BELOW</b> <small>THE WATERLINE</small>	 <b>ABOVE</b> <small>Underwater</small> <b>BELOW</b> <small>THE WATERLINE</small>	 <b>ABOVE</b> <small>Underwater</small> <b>BELOW</b> <small>THE WATERLINE</small>
DESCRIPTION	Extremely Strong Non-Shrinking Permanent Bond	Flexible Non-Shrinking General Purpose	Extremely Strong Non-Shrinking Permanent Bond	Flexible UV-Resistant Weatherproof	Flexible Non-Sagging Mildew Resistant
APPLICATION TEMPERATURE	40°–100°F (5°–38°C)	40°–100°F (5°–38°C)	40°–100°F (5°–38°C)	40°–100°F (5°–38°C)	40°–100°F (5°–38°C)
CONSISTENCY	Medium Paste	Medium Paste	Medium Paste	Medium Paste	Non-Sagging Paste
COLOR	White Black Mahogany Tan	White Black	White	White	White Clear
TACK-FREE*	48 Hours	1–2 Hours	1–2 Hours	<2 Hours	20 Minutes
CURE***	7–14 Days	24–48 Hours	24–48 Hours	24–48 Hours	24–48 Hours
TENSILE STRENGTH	700psi	300psi	600psi	300psi	220psi
% ELONGATION BEFORE BREAK	1350%	900%	925%	800%	350%
SANDABLE	Yes	Yes	Yes	Yes	No
DISCOLORATION RESISTANCE	Good	Good	Good	Excellent	Excellent
GELCOAT	H	G	H	G	B
FIBERGLASS	H	G	H	G	B
WOOD	H	G	H	G	B
METAL	H**	G**	H**	H	B
RUBBER	G	G	G	B	B
PLASTICS	G/B	G/B	G/B	B	B

Protect from direct sunlight and rain until cured. H=High Strength Bonding G=General Bonding B=Bedding Sealing  
 \*at 75°F/50% RH \*\*Primer recommended \*\*\*at 1/4" depth

**For Additional Information:** To request additional product information or to arrange for sales assistance, please call 1-877-366-2746 (1-877-3M MARINE). Address correspondence to: 3M Marine, 3M Center Bldg, 223-6S-06, St. Paul, MN 55144-1000. To send a fax, please call 651-737-9658.

**Warranty and Limited Remedy:** 3M warrants this product will be free from defects in materials and manufacture for 12 months from the purchase date. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If the product is proved to be defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

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The foregoing Warranty and Limited Remedy and Limitation of Liability language may be changed only by a written agreement signed by authorized officers of 3M and seller.