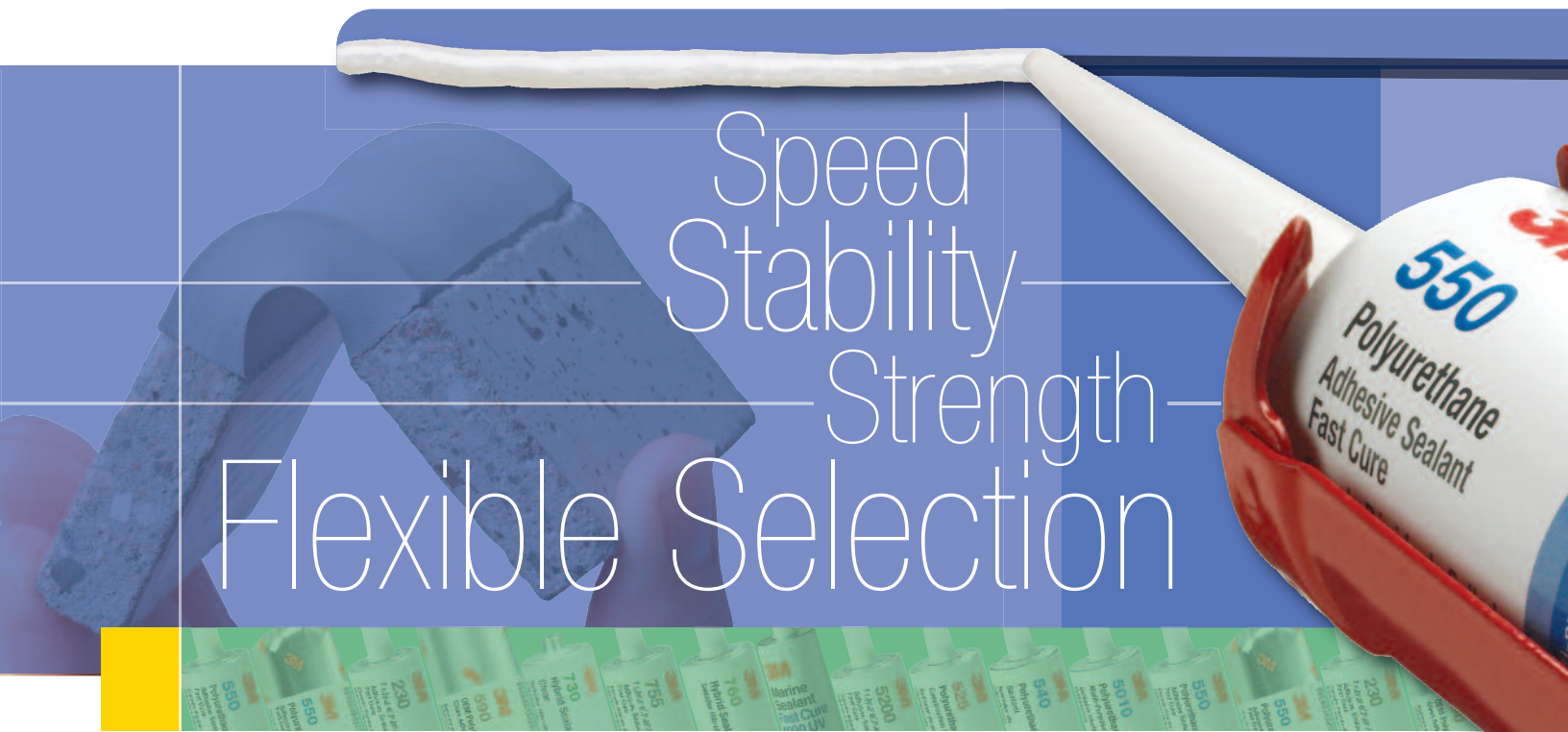


3M™ Adhesive Sealants



Speed  
Stability  
Strength  
Flexible Selection

The best formulas deliver the best performance

**3M**

# 3M™ Adhesive Sealants

Proven performance, quality, and long term durability



No matter your choice of 3M™ Adhesive Sealants, you get the same benefits:

- Bond lines that bend and flex to hold tight in vibration and seal tight against corrosive elements
- Resist yellowing, cracking, bubbling, chalking, and UV degradation for long term reliability indoors and out
- Saves rework time and expense

- Resist bleeding and staining finishes
- Improved productivity: paintable polyurethanes when skinned, paintable hybrids when wet

Select skin time and cure rate to meet your production requirements. Select hardness, elongation, adhesion strength, and other end use characteristics for success of your specific application.

## Internal integrity after full cure



3M precision formulations maintain integrity for a secure bond and reliable sealing.



Competitive formulations use raw materials, fillers, and excess isocyanates, that when cured, may split or bubble, weakening bond strength and degrading sealing properties.



# Choosing the proper product is as easy as 1, 2, 3

## 1. Define application as bonding versus sealing

### SEALING

- Lower Shore A
- Higher Elongation

### BONDING

- Higher Shore A
- Higher Tensile

## 2. Consider the alternatives between hybrid or polyurethane

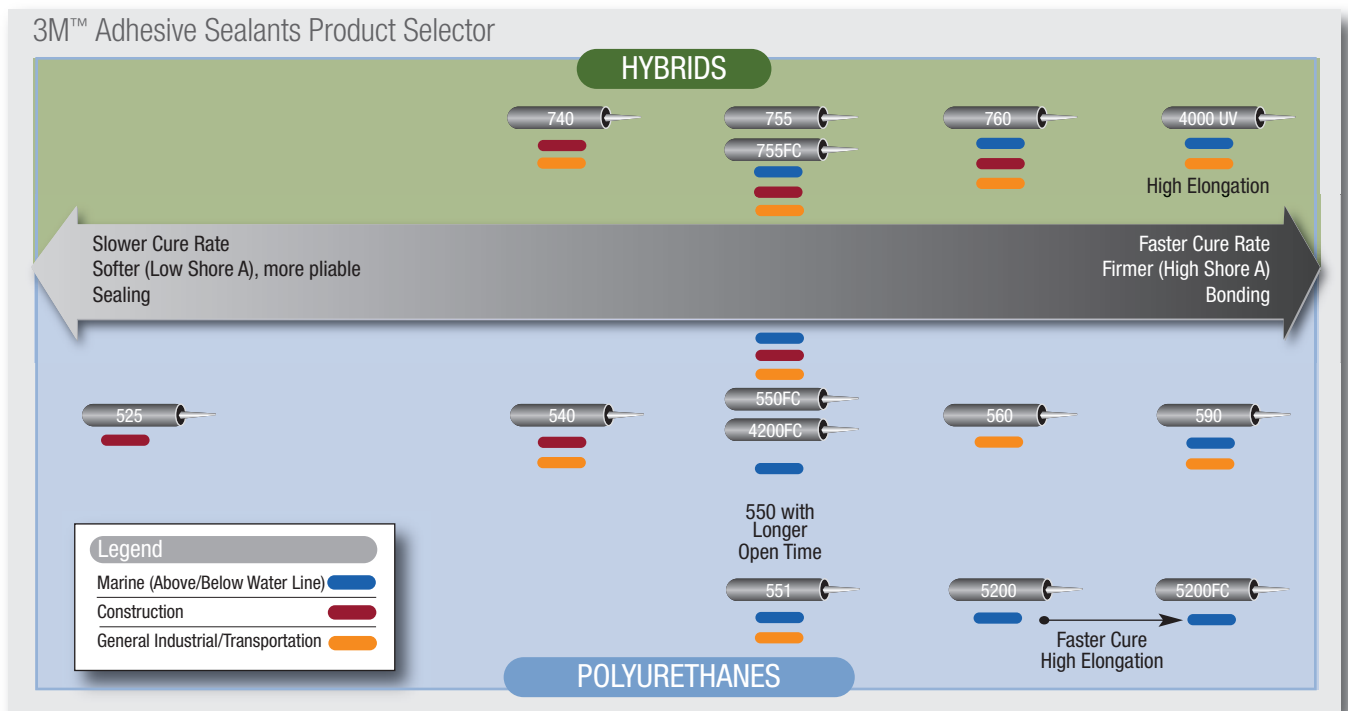
### POLYURETHANE

- Isocyanates
- Paint when skinned
- Adhesion to many substrates, some requiring surface preparation
- UV-stable with some cosmetic variance

### HYBRIDS

- Isocyanate-free
- Paint immediately (when wet)
- Adhesion to wide range of substrates without primer
- UV stable with no cosmetic variance

## 3. Select your sealant



Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.



# 3M™ Hybrid and Polyurethane Sealants Selection Guide

Product	Skin Time (minutes)	Cure Rate (mm/24 hr)	Hardness (Shore A)	Elongation (%)	Modulus at 100% (psi)	Tensile Strength (psi)	Specific Gravity	VOC g/L	Description
<b>HYBRIDS (Paintable immediately, even when wet)</b>									
730	25-30	>3.5	30	>300	>80	250	1.05	11	<ul style="list-style-type: none"> <li>• Excellent clear adhesive sealant</li> <li>• Low VOC</li> </ul>
740	40-60	>3.5	30	>300	>70	145	1.64	22	<ul style="list-style-type: none"> <li>• Cosmetic sealant with excellent UV resistance</li> <li>• Low VOC</li> </ul>
755	40-70	>3.5	>45	>130	>280	210	1.58	41	<ul style="list-style-type: none"> <li>• Excellent resistance to UV</li> <li>• Low VOC</li> </ul>
755FC	10-30	>3.5	>45	>140	>270	220	1.58	33	<ul style="list-style-type: none"> <li>• Similar to 755 with faster skinning</li> <li>• Very low VOC</li> </ul>
760	10-30	>3.5	55	>100	>145	260	1.61	29	<ul style="list-style-type: none"> <li>• "Go to" for fast adhesion</li> <li>• Low VOC</li> </ul>
4000UV	15-30	>3.5	40	>700	>250	500	1.40	16	<ul style="list-style-type: none"> <li>• Very high strength fast curing adhesive sealant</li> <li>• Excellent UV resistance for glazing</li> <li>• Low VOC</li> </ul>
<b>POLYURETHANE (Paintable after skin forms)</b>									
525	90-150	>3	25	>600	75	400	1.17	35	<ul style="list-style-type: none"> <li>• Extremely pliable and flexible</li> <li>• ASTM C920 Compliant</li> <li>• No primer required on cured concrete</li> </ul>
540	60-90	>3	40	>600	125	300	1.17	54	<ul style="list-style-type: none"> <li>• Excellent general purpose sealant</li> <li>• ASTM C920 compliant, and smoke and flame rated</li> </ul>
550FC	50-90	>4	45	>600	150	450	1.17	29	<ul style="list-style-type: none"> <li>• Excellent adhesive sealant</li> <li>• ASTM C920 compliant</li> </ul>
550FC w/ B550 Booster* (10.1)	8-15	<24 hr full cure	45	>250	150	300	1.16	36	<ul style="list-style-type: none"> <li>• Cures through in 20 minutes, even when bonding metal-to-metal</li> <li>• Eliminates atmospheric dependency</li> </ul>
551	120-180	>4	45	>600	190	450	1.17	37	<ul style="list-style-type: none"> <li>• 550 performance with longer open time</li> </ul>
560	50-60	>4	55	>300	145	580	1.17	56	<ul style="list-style-type: none"> <li>• Very high strength adhesive sealant</li> <li>• Smoke and flame rated</li> </ul>
590	25-40	>3.5	65	>700	>870	1450	1.20	19	<ul style="list-style-type: none"> <li>• Windshield bonding adhesive (requires primer)</li> <li>• Crash tested (FMVSS 212)</li> </ul>
4200FC	50-90	>3	40	>600	150	300	1.18	32	<ul style="list-style-type: none"> <li>• Excellent adhesive sealant</li> </ul>
5200	>48 hrs.	<1	68	>800	N/A	700	1.36	40	<ul style="list-style-type: none"> <li>• Very high strength adhesive sealant with proven Marine performance, and long open time in hot and humid conditions</li> <li>• Above/below water lines with watertight bonds</li> </ul>
5200FC	60-120	3	60	>900	N/A	600	1.30	38	<ul style="list-style-type: none"> <li>• Very high strength adhesive sealant with proven Marine performance, with faster skin time than original 5200</li> <li>• Above/below water lines with watertight bonds</li> </ul>
<b>SPECIAL PRODUCTS</b>									
230	3	24 hr full cure	30	300	N/A	N/A	0.88	158	<ul style="list-style-type: none"> <li>• Excellent clear sealant</li> </ul>
5010	3-5	24 hr full cure	N/A	N/A	1700	275	1.05	2	<ul style="list-style-type: none"> <li>• Excellent for wood bonding with thin bond lines</li> <li>• Versatile, fast-grabbing, high strength adhesive</li> </ul>

Note: all products can be used with primers to enhance performance. \* Bulk only

## Primers and Cleaners

Product Number	Product Description	Color	Viscosity	Solids (%)	VOC g/L	Active ingredient
P590	Fritted Glass Primer	Black	12-15 sec (DIN cup)	28.5	687	NCO/MEK
P591	Plastic Primer	Black	12-15 sec (Ford cup)	36.5	613	NCO/MEK
P592	Metal Primer	Clear	Extremely low	1.5	790	Silane/Ethanol
P595	Teak and Glass Primer	Black	50 mPa*s	29.5	793	NCO/MEK
AP596	Cleaner	Clear	Extremely low	3	798	Silane/Ethanol
P597	Teak and Glass Cleaner	Clear	45 mPa*s	24.6	721	NCO/MEK

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.

# Applicators

	310	400M	600M	600A	34A	643B
Power Source	Manual	Manual	Manual	Pneumatic	Pneumatic	Battery-Operated
310mL Cartridges	X	X	X		X	X
400mL Sausage Packs		X	X	X	X	X
600mL Sausage Packs			X	X		X



## Portfolio Snapshot

Product Description	Product Number	Color	Cartridge	400mL Sausage Pack	600mL Sausage Pack	5 Gallon Pails	50 Gallon Drums
3M™ Crystal Clear Sealant	230	Clear	62-5291-5230-8 08028		62-5291-3930-5 08029		
3M™ Polyurethane Construction Sealant	525	Gray	62-5282-5230-7 62823		62-5282-3930-4 07535		62-5282-9530-6 08016
3M™ Polyurethane Sealant	540	Gray	62-5485-5230-6 41594	62-5485-3530-1 96277	62-5485-3930-3 56562	62-5485-8530-6 49062	62-5485-9530-5 45112
3M™ Polyurethane Sealant	540	White	62-5484-5230-9 49054	62-5484-3530-4 96278	62-5484-3930-6 56561	62-5484-8530-9 49058	62-5484-9530-8 49055
3M™ Polyurethane Sealant	540	Black	62-5486-5230-4 41595	62-5486-3530-9 96276	62-5486-3930-1 96272	62-5486-8530-4 49060	62-5486-9530-3 45190
3M™ Polyurethane Adhesive Sealant	550	Gray	62-5267-5230-8 62799	62-5267-3530-3 62800	62-5267-3930-5 62801	62-5267-8530-8 92083	62-5267-9530-7 62802
3M™ Polyurethane Adhesive Sealant	550	White	62-5265-5230-2 62791	62-5265-3530-7 62792	62-5265-3930-9 62793	62-5265-8530-2 92082	62-5265-9530-1 62794
3M™ Polyurethane Adhesive Sealant	550	Black	62-5266-5230-0 62795	62-5266-3530-5 62796	62-5266-3930-7 62797		62-5266-9530-9 62798
3M™ Polyurethane Adhesive Sealant	551	White		62-5268-3530-1 62803	62-5268-3930-3 62804		
3M™ Polyurethane Adhesive Sealant	560	White	62-5495-5230-5 49056	62-5495-3530-0 96282	62-5495-3930-2 56563		62-5495-9530-4 62790
3M™ Polyurethane Adhesive Sealant	560	Black	62-5488-5230-0 41597	62-5488-3530-5 96279	62-5488-3930-7 96273		62-5488-9530-9 62789
3M™ Polyurethane Adhesive Sealant	560	Gray	62-5487-5230-2 41596	62-5487-3530-7 96281	62-5487-3930-9 56564		62-5487-9530-1 32249
3M™ OEM Polyurethane Glass Adhesive Sealant	590	Black	62-5567-5230-1 05516		62-5567-3930-8 05612		62-5567-9530-0 05613
3M™ Hybrid Sealant	730	Clear	62-5292-5230-6 08026		62-5292-3930-3 08027		
3M™ Hybrid Sealant	740	White	62-5274-5232-0 62812		62-5274-3932-7 08023		
3M™ Hybrid Sealant	740	Black	62-5286-5232-4 08024		62-5286-3932-1 08025		
3M™ Hybrid Sealant	740	Gray	62-5275-5232-7 62813		62-5275-3932-4 08022		
3M™ Hybrid Sealant	755	White	62-5251-5230-2 97842		62-5251-3930-9 97843		
3M™ Hybrid Sealant	755	Black	62-5254-5230-6 97845		62-5254-3930-3 97844		
3M™ Hybrid Sealant	755	Gray	62-5255-5230-3 97846		62-5255-3930-0 97847		
3M™ Hybrid Sealant	755FC	White	62-5256-5230-1 97848		62-5256-3930-8 97849		
3M™ Hybrid Sealant	755FC	Black	62-5257-5230-9 97949		62-5257-3930-6 97952		
3M™ Hybrid Sealant	755FC	Gray	62-5258-5230-7 97950		62-5258-3930-4 97953		
3M™ Hybrid Adhesive Sealant	760	White	62-5277-5232-3 62815		62-5277-3932-0 62816	62-5277-8532-3 92084	62-5277-9532-2 92086
3M™ Hybrid Adhesive Sealant	760	Black	62-5278-5232-1 62817		62-5278-3932-8 62818	62-5278-8532-1 92085	62-5278-9532-0 92087
3M™ Hybrid Adhesive Sealant	760	Gray	62-5279-5232-9 62819		62-5279-3932-6 62820		
3M™ Polyurethane Multi-Purpose Adhesive	5010	Cream	62-5281-5230-9 62822			62-5281-8530-9 08021	
3M™ Marine Adhesive Sealant Fast Cure	4200	White	60-9801-0569-0 06560				
3M™ Marine Adhesive Sealant Fast Cure	4200	Black	60-9801-0570-8 06564				
3M™ Polyurethane Adhesive Sealant	5200	White	60-9800-4300-8 06500			60-4100-0949-6 21463	
3M™ Polyurethane Adhesive Sealant	5200	Black	60-9801-0935-3 06504				
3M™ Polyurethane Adhesive Sealant	5200	Tan	60-9801-0933-8 06501				
3M™ Polyurethane Adhesive Sealant	5200	Mahogany	60-9801-0934-6 06502				
3M™ Marine Adhesive Sealant Fast Cure	5200FC	White	60-9800-4557-3 06520				
3M™ Marine Adhesive Sealant Fast Cure	4000UV	White	62-5563-5232-6 06580	62-5563-3532-1 06586	62-5563-3932-3 05508		62-5563-9532-5 25654
3M™ Marine Adhesive Sealant Fast Cure	4000UV	Black	62-5564-5232-4 05503		62-5564-3932-1 05502	62-5564-8532-4 91660	62-5564-9532-3 05504

Color Key: Stocked Make to Order

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.



## The best packaging delivers the best value



Attached nozzle helps prevent snap-off in shipping and loss of product due to damaged cartridge.

Nozzle removes for reuse and reducing waste.



Sturdy aluminum cartridge helps keep air and moisture out of the product and ready-to-use.

Pop-off end caps resist denting while competitive cartridges dent and deform more easily.



Get more usable product and less waste disposal with 3M 400mL and 600mL flexpacks.

Added volume of the flexpack reduces reload time, increasing overall productivity.

**Technical Information:** The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

**Product Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

**Warranty, Limited Remedy, and Disclaimer:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

**3M**

### Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 . 877-369-2923 (Fax)  
[www.3M.com/adhesives](http://www.3M.com/adhesives)

3M is a trademark of 3M Company.

Printed in U.S.A  
© 3M 2012  
78-9236-7234-5