



# Teflon<sup>®</sup>

## Industrial Coatings



**HEAT  
RESISTANT**



**NONSTICK**



**LOW  
FRICTION**



**CHEMICAL  
RESISTANT**



**HI/LO TEMP  
RESISTANCE**



**NONWETTING**



**ELECTRICAL**



**FDA  
CONFORMING**



**ABRASION  
RESISTANT**

## Product and Market Guide

Ever since their discovery and subsequent introduction under the Teflon® trademark, fluoropolymers have demonstrated a versatility unmatched by any other

engineering material. With a unique combination of properties, DuPont Teflon® industrial coatings have gained acceptance in a wide variety of markets.

Available in a full range of powder and liquid forms, these coatings allow almost unlimited application to a wide range of part sizes and configurations—always adding value far beyond their inherent nonstick qualities.



| Technology:    | Product Code:              | Food Contact: | Cure Temp °C (°F):     | Service Temp °C (°F): | Typical Applications:   |                                      |
|----------------|----------------------------|---------------|------------------------|-----------------------|---|--------------------------------------|
| <b>PTFE</b>    | <b>TOPCOATS (Aqueous):</b> |               | 385-430°<br>(725-805°) | 260° (500°)           | <ul style="list-style-type: none"> <li>• Heat exchangers</li> <li>• Automatic soldering equipment</li> <li>• Molds</li> <li>• Carburetor shafts, linkages</li> <li>• Cruise control parts</li> <li>• Filters</li> <li>• Cryogenic applications</li> <li>• Aerospace applications</li> </ul> |                                      |
|                | 851-214 Green              |               |                        |                       |   |                                      |
|                | 851-221 High-build Gray    |               |                        |                       |   |                                      |
|                | 851-224 High-build Green   |               |                        |                       |   |                                      |
|                | 851-255 High-build Black   |               |                        |                       |   |                                      |
|                | 852-201 Clear              |               |                        |                       |   |                                      |
|                | 852-202 High-Build Clear   |               |                        |                       |   |                                      |
|                | <b>ACID PRIMERS*:</b>      |               | 230-280°<br>(445-535°) | 260° (500°)           |   | * Used with VM-7799 acid accelerator |
|                | 850-300 Clear              |               |                        |                       |   |                                      |
|                | 850-314 Green              |               |                        |                       |   |                                      |
| 850-321 Gray   |                            | Force dry     |                        |                       |   |                                      |
| <b>FEP</b>     | <b>TOPCOATS (Powder):</b>  |               | 290-370°<br>(554-700°) | 150° (300°)           | <ul style="list-style-type: none"> <li>• Chemical equipment, i.e: impellers; mixing tanks; valves; pumps</li> <li>• Biomedical equipment</li> <li>• Heat sealing bars</li> <li>• Shoe molds</li> <li>• Textile dryers</li> </ul>  |                                      |
|                | 532-8000 Clear             |               |                        | 200° (390°)           |   |                                      |
|                | 532-8110 Clear             | <b>YES</b>    |                        |                       |   |                                      |
|                | <b>TOPCOATS (Aqueous):</b> |               | 370-400°<br>(700-750°) | 200° (390°)           |   |                                      |
|                | 856-200 Clear              | <b>YES</b>    |                        |                       |   |                                      |
|                | 856-204 Green              |               |                        |                       |   |                                      |
|                | 856-211 Gray               |               |                        |                       |   |                                      |
|                | <b>PRIMERS:</b>            |               |                        |                       |   |                                      |
|                | 850-Acid Primers           |               |                        |                       |   |                                      |
|                | 958-203 Black              |               |                        |                       |   |                                      |
| 958-207 Green  |                            |               |                        |                       |   |                                      |
| 959-203 Black  | <b>YES</b>                 |               |                        |                       |   |                                      |
| 959-205 Brown  | <b>YES</b>                 |               |                        |                       |   |                                      |
| 959-503 Silver | <b>YES</b>                 |               |                        |                       |   |                                      |

**Technology:****Product Code:****Food Contact:****Cure Temp °C (°F):****Service Temp °C (°F):****Typical Applications:**

| Technology:           | Product Code:                    | Food Contact: | Cure Temp °C (°F):     | Service Temp °C (°F): | Typical Applications:  |
|-----------------------|----------------------------------|---------------|------------------------|-----------------------|--|
| <b>PFA</b>            | <b>TOPCOATS (Powder):</b>        |               | 370-400°<br>(700-750°) | 260° (500°)           | <ul style="list-style-type: none"> <li>• Chemical equipment, i.e: impellers; mixing tanks; valves; pumps</li> <li>• Biomedical equipment</li> <li>• Silicone wafer mfg. equip.</li> <li>• Molds</li> <li>• Laundry dryers</li> <li>• Copier, printer rolls</li> <li>• Paint spray cups</li> <li>• Light bulbs</li> </ul> |
|                       | 532-5010 Clear                   | <b>YES</b>    |                        |                       |  |
|                       | 532-5011 Clear<br>(Extra smooth) | <b>YES</b>    |                        |                       |  |
|                       | 532-5012 High-build Tan          | <b>YES</b>    |                        |                       |  |
|                       | 532-5310 Clear (High MW)         | <b>YES</b>    |                        |                       |  |
|                       | 532-7000 Sparkling Clear         | <b>YES</b>    |                        |                       |  |
|                       | 532-7100 White                   | <b>YES</b>    |                        |                       |  |
|                       | <b>TOPCOATS (Aqueous):</b>       |               | 400° (750°)            | 260° (500°)           |  |
|                       | 857-210 Clear                    |               |                        |                       |  |
|                       | <b>PRIMERS:</b>                  |               |                        |                       |  |
| 420-703 Black         | <b>YES</b>                       |               |                        |                       |  |
| 850-Acid Primers      |                                  |               |                        |                       |  |
| 959-503 Silver        | <b>YES</b>                       |               |                        |                       |  |
| <b>ETFE</b>           | <b>TOPCOATS (Powder):</b>        |               | 300-315°<br>(570-600°) | 150° (300°)           | <ul style="list-style-type: none"> <li>• Thick films (1,000 microns)</li> <li>• Chemical equipment, i.e: centrifuges; tank linings; valves; pumps; exhaust ducts</li> <li>• Polystyrene molds</li> </ul>   |
|                       | 532-6110 High-build Clear        | <b>YES</b>    |                        |                       |  |
|                       | 532-6210 High-build Topcoat      | <b>YES</b>    |                        |                       |  |
|                       | 532-6114 High-build Green        |               |                        |                       |  |
|                       | 532-6118 Sparkling Beige         | <b>YES</b>    |                        |                       |  |
|                       | <b>PRIMERS:</b>                  |               |                        |                       |  |
|                       | 532-6006 Blue Powder Coat        |               |                        |                       |  |
| 699-123 Black Aqueous | <b>YES</b>                       |               |                        |                       |  |

| Technology: | Product Code: | Food Contact: | Cure Temp °C (°F): | Service Temp °C (°F): | Typical Applications: |
|-------------|---------------|---------------|--------------------|-----------------------|-----------------------|
|-------------|---------------|---------------|--------------------|-----------------------|-----------------------|

**Teflon®-S Self-priming ONE-COAT blends of fluoropolymer with other resins: PPS; PES; PAI; Epoxy**

**(Powder):**

|          |                   |  |                        |             |  |
|----------|-------------------|--|------------------------|-------------|--|
| 532-1003 | Black Powder Coat |  | 200-290°<br>(390-555°) | 150° (300°) |  |
|----------|-------------------|--|------------------------|-------------|--|

**(Solvent):**

|         |                     |  |                        |             |  |
|---------|---------------------|--|------------------------|-------------|--|
| 954-100 | Unpigmented         |  | 260° (500°)            | 150° (300°) |  |
| 954-101 | Green               |  |                        |             |  |
| 954-103 | Black               |  |                        |             |  |
| 954-201 | Low-bake Green      |  | 175° (350°)            | 150° (300°) |  |
| 954-203 | Low-bake Black      |  |                        |             |  |
| 954-407 | Low-bake Flat Black |  |                        |             |  |
| 958-203 | Black               |  | 315-345°<br>(600-650°) | 220° (430°) |  |
| 958-207 | Green               |  |                        |             |  |
| 958-303 | Dry Lubricant Black |  | 260-345°<br>(500-650°) | 260° (500°) |  |
| 958-306 | Blue                |  |                        |             |  |

**(Aqueous):**

|           |       |  |             |             |  |
|-----------|-------|--|-------------|-------------|--|
| 954-50003 | Black |  | 175° (350°) | 150° (300°) |  |
| 954-50007 | Green |  |             |             |  |

- Automotive gasoline filler tubes
- Sprinkler ball valves
- Fan blades, Housings, Garden tools
- Automotive fasteners
- CPI fasteners
- Boat propellers
- Saw blades
- Packaging equipment, Conveyors
- Fuel injectors, Saw blades
- Best dry lubricant

**Teflon® One-Coats Self-priming, ONE-COAT blends of fluoropolymer with other resins: PPS; PES; PAI; Epoxy**

**(Solvent):**

|         |                |            |             |             |  |
|---------|----------------|------------|-------------|-------------|--|
| 420-104 | Gray           | <b>YES</b> | 400° (750°) | 260° (500°) |  |
| 420-106 | Metallic Gray  | <b>YES</b> |             |             |  |
| 420-109 | Metallic Black | <b>YES</b> |             |             |  |
| 959-203 | Black          | <b>YES</b> | 345° (650°) | 215° (420°) |  |
| 959-205 | Brown          | <b>YES</b> |             |             |  |

**(Aqueous):**

|         |       |            |             |             |  |
|---------|-------|------------|-------------|-------------|--|
| 857-503 | Black | <b>YES</b> | 400° (750°) | 260° (500°) |  |
|---------|-------|------------|-------------|-------------|--|

- Coffee plate warmers
- Assorted food processing utensils
- Iron sole plates
- Portable electrics
- Sandwich makers

**PTFE / PFA Patented Blends**

|         |                  |  |                         |             |  |
|---------|------------------|--|-------------------------|-------------|--|
| 855-021 | Blue (Primer)    |  | 425°-430°<br>(800-810°) | 260° (500°) |  |
| 855-401 | Silver (Midcoat) |  |                         |             |  |
| 855-402 | Black (Midcoat)  |  |                         |             |  |
| 855-500 | Clear (Topcoat)  |  |                         |             |  |

**(Electroconductive):**

|         |                 |  |                         |             |  |
|---------|-----------------|--|-------------------------|-------------|--|
| 855-023 | Black (Primer)  |  | 425°-435°<br>(800-815°) | 260° (500°) |  |
| 855-101 | Black (Midcoat) |  |                         |             |  |
| 855-103 | Black (Topcoat) |  |                         |             |  |

**(Industrial Supra®):**

|         |                  |            |                         |             |  |
|---------|------------------|------------|-------------------------|-------------|--|
| 459-780 | Blue (Primer)    | <b>YES</b> | 425°-435°<br>(800-815°) | 260° (500°) |  |
| 456-186 | Pewter (Midcoat) | <b>YES</b> |                         |             |  |
| 456-187 | Black (Midcoat)  | <b>YES</b> |                         |             |  |
| 456-480 | Clear (Topcoat)  | <b>YES</b> |                         |             |  |

**(Ceramic Reinforced):**

|         |                 |            |                         |             |  |
|---------|-----------------|------------|-------------------------|-------------|--|
| 857-101 | Black (Primer)  | <b>YES</b> | 425°-440°<br>(800-815°) | 260° (500°) |  |
| 857-202 | Black (Midcoat) | <b>YES</b> |                         |             |  |
| 857-301 | Clear (Topcoat) | <b>YES</b> |                         |             |  |

- Copiers
- Printers

- Commercial food

| Market:                    | Typical Applications:  | Coating Requirements:   | Recommended Products:           |  | BEST—  |  |
|----------------------------|--|---|---------------------------------|--|--|--|
| <b>AUTOMOTIVE</b>          | <ul style="list-style-type: none"> <li>• Seat belt clips</li> <li>• Fasteners</li> <li>• Throttle body shafts</li> </ul> | <ul style="list-style-type: none"> <li>• Dry lubrication</li> <li>• Corrosion resistance</li> </ul>                     | 954-103                         | Black  | 958-303  | Black  |
| <b>CHEMICAL PROCESSING</b> | <ul style="list-style-type: none"> <li>• Pumps</li> <li>• Tanks</li> <li>• Valves</li> <li>• Impellers</li> </ul>        | <ul style="list-style-type: none"> <li>• Chemical resistance</li> </ul>   | 850-321<br>532-5012<br>532-5010 | Gray<br>Tan<br>Clear (500 microns)                     | 699-123<br>532-6114<br>532-6110                                | Black<br>Green<br>Clear (1,000 microns)                              |
| <b>INDUSTRIAL BAKEWARE</b> | <ul style="list-style-type: none"> <li>• Bread pans</li> <li>• Bun pans</li> <li>• Flat pans</li> </ul>                  | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 959-503<br>420-703<br>532-7000  | Silver (Primer)<br>Black (Primer)<br>Sparkling Clear   | 959-503<br>420-703<br>532-5310                                 | Silver (Primer)<br>Black (Primer)<br>Clear (Topcoat)                 |
| <b>FASTENERS</b>           | <ul style="list-style-type: none"> <li>• Large industrial nuts and bolts</li> </ul>                                      | <ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul>  |                                 | —  | 958-306  | Blue   |
| <b>FOOD PROCESSING</b>     | <ul style="list-style-type: none"> <li>• Dough rollers</li> <li>• Misc. equipment</li> </ul>                             | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 420-106<br>958-203<br>856-200   | Silver (One-coat)<br>Black (Primer)<br>Clear (Topcoat) | 420-703<br>532-5012<br>532-5010                                | Primer<br>Tan<br>Clear   |
| <b>FOOTWEAR</b>            | <ul style="list-style-type: none"> <li>• Shoe molds</li> <li>• Midsoles</li> <li>• Outsoles</li> </ul>                   | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 850-321<br>856-200              | Gray (Primer)<br>Clear                                 | 850-321<br>532-5010  | Gray (Primer)<br>Clear   |
| <b>HARDWARE</b>            | <ul style="list-style-type: none"> <li>• Saw blades</li> </ul>   | <ul style="list-style-type: none"> <li>• Nonstick</li> <li>• Low friction</li> </ul>                                    |                                 | —  | 954-407<br>954-103   | Flat Black<br>Black  |
| <b>COMMERCIAL LAUNDRY</b>  | <ul style="list-style-type: none"> <li>• Dryer baskets</li> </ul>  | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  |                                 | —  | 420-703<br>532-7000  | Black (Primer)<br>Sparkling Clear                                    |
| <b>LAWN &amp; GARDEN</b>   | <ul style="list-style-type: none"> <li>• Shears</li> <li>• Scissors</li> </ul>   | <ul style="list-style-type: none"> <li>• Nonstick</li> <li>• Corrosion resistance</li> <li>• Dry lubrication</li> </ul> |                                 | —  | 954-103  | Black<br>(Industry standard)   |
| <b>LIGHTING</b>            | <ul style="list-style-type: none"> <li>• Incandescent light bulbs</li> </ul>   | <ul style="list-style-type: none"> <li>• Heat resistance</li> <li>• Optical clarity</li> </ul>                          |                                 | —  | 532-5310   | Clear  |
| <b>MOLD RELEASE</b>        | <ul style="list-style-type: none"> <li>• Golf balls</li> <li>• Rubber mats</li> <li>• Wide variety misc.</li> </ul>      | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 850-321<br>420-703<br>532-5010  | Gray (Primer)<br>Black (Primer)<br>Clear               | 850-321<br>420-703<br>856-200                                  | Gray (Primer)<br>Black (Primer)<br>Clear (Topcoat)                   |
| <b>OFFICE AUTOMATION</b>   | <ul style="list-style-type: none"> <li>• Copier, printer &amp; facsimile rolls</li> </ul>                                | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 850-321<br>855-027<br>532-5011  | Gray (Primer)<br>Silver (Primer)<br>Clear              | 855-300<br>855-401<br>855-500<br>855-023<br>855-101<br>855-103 | Silver<br>Silver<br>Silver<br>Black Cond<br>Black Cond<br>Black Cond |
| <b>PACKAGING</b>           | <ul style="list-style-type: none"> <li>• Heat seal bars</li> </ul>   | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 850-321<br>856-200              | Gray<br>Clear  | 850-321<br>456-187<br>855-401                                  | Gray (Primer)<br>Silver (Topcoat)<br>Silver (Topcoat)                |
| <b>PHARMACEUTICAL</b>      | <ul style="list-style-type: none"> <li>• Vessels</li> </ul>  | <ul style="list-style-type: none"> <li>• Nonstick</li> <li>• Abrasion resistance</li> </ul>                             | 699-123<br>532-6110             | Black<br>Clear   | 420-703<br>532-5012  | Black<br>Tan   |
| <b>PAPER</b>               | <ul style="list-style-type: none"> <li>• Process rolls</li> </ul>  | <ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul>  | 850-314<br>856-204<br>532-5010  | Gray<br>Tan<br>Clear                                   | 699-123<br>532-6114<br>532-6110                                | Black<br>Green<br>Clear  |
| <b>TEXTILE</b>             | <ul style="list-style-type: none"> <li>• Dryer cans</li> </ul>   | <ul style="list-style-type: none"> <li>• Nonstick</li> </ul>  | 850-314<br>856-204<br>856-200   | Green<br>Green (2-coats)<br>Clear (2-coats)            | 850-314<br>856-204<br>532-5010                                 | Green<br>Green<br>Clear  |



**This emblem identifies DuPont Licensed Industrial Applicators.**

DuPont has a network of licensed applicators located throughout the world who are selected for their extensive knowledge and experience in recommending and applying Teflon® industrial coatings.

This Product Selection Guide is intended only as an aid to assist buyers in product selection. By making this Guide available, DuPont makes no warranties of merchantability or fitness for a particular purpose, or any other express or implied warranty regarding its products other than contained in its Standard Conditions of Sale.

**Teflon® is sold in forms other than formulated liquid and powder coatings. For more information on Teflon® industrial coatings, resins, fibers, films or linings, please contact:**

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Your local Licensed Industrial Applicator is:



**Teflon®**  
Only by DuPont