Dymax SpeedMask Temporary Masking
UV Resins

Description

Replace tape, wax, lacquers and fixtures with Dymax SpeedMask temporary masking resins, which offer reliable protection against most metal finishing processing environments. Their tenacious adhesion seals and protects machined, ground, or polished surfaces during tumbling, peening, abrading or cleaning processes.

Grinding and peening masks eliminate external damage to edges and surfaces and internal cavity FOD. SpeedMask resins also seal cavity openings and prevent contamination from acid, alkaline and plating solutions, as well as the debris from air plasma spray, HVOF, peening and grit blasting.

Features & Benefits

- Apply and cure in seconds
- Reduce labour, rework and scrap
- Easy to automate
- Environmentally and worker-friendly
- Metallurgically neutral
- Minimal capital investment
- Major OEM approvals
Applications

Masking for:

- Acid Stripping
- Anodising
- Chemical Milling
- Plating

Dymax advanced technology SpeedMask UV resins, curing lamps and accessories simplify regulatory compliance, and bring efficiency and cost reduction to new parts manufacturing, overhaul and repair, turbine and metal finishing, as well as orthopaedic implant, surgical instrument and medical device component processing. Clean burn-off grades and peelable and water soluble masks are available.
Dymax SpeedMask Temporary Masking
UV Resins

DYMAX SpeedMask is applied
Dymax SpeedMask is UV cured instantly
Part is ready for processing

Part is processed
DYMAX SpeedMask is removed
Part is finished
<table>
<thead>
<tr>
<th>Product name</th>
<th>Description</th>
<th>Viscosity</th>
<th>Hardness</th>
<th>Appearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Plasma Spray</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>DYMAX 706</td>
<td>· Acid strip and thermal spray-coating mask</td>
<td>43,000</td>
<td>D75</td>
<td>Clear</td>
</tr>
<tr>
<td></td>
<td>· Burn-off removal</td>
<td></td>
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<tr>
<td>DYMAX 718</td>
<td>· APS and HVOF resin with aluminium oxide for wear resistance</td>
<td>50,000</td>
<td>D80</td>
<td>White</td>
</tr>
<tr>
<td></td>
<td>· Burn-off removal</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Blasting Surface Treatment</td>
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#### UV Resins

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| DYMAX 724    | · Low adhesion  
               · Dry-surface treatment  
               · NVP free  
               · Easy peel | 70,000    | D40      | Clear      |

**Mild Plating & Blasting**

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| DYMAX 726-SC   | · Chemical and heat resistant gel with See-Cure  
               · Blue to Pink  
               · Easy peel | 45,000    | D40      | Blue       |

**Plating & Chemical Process**

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| DYMAX 728-G    | · Aggressive chemical resistance for plating  
               · Green in colour  
               · Peelable | 25,000    | D55      | Green      |
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<tr>
<td>DYMAX 729</td>
<td>· Plating and harsh chemical mask · High temperature resistance · High adhesion · Burn-off removal</td>
<td>20,000</td>
<td>D70</td>
<td>Clear</td>
</tr>
<tr>
<td>DYMAX 7601</td>
<td>· Plating, anodising, grit blasting and acid stripping · Colour change upon cure (pink to yellow-green) · Resistant to strong acids and etchants · Easy peel-off removal · LED UV curable</td>
<td>25,000</td>
<td>A63</td>
<td>Pink</td>
</tr>
</tbody>
</table>
# Dymax SpeedMask Temporary Masking

## UV Resins

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| **DYMAX 717-R** | · Fast curing  
· Peel-off after hot-water soak  
· Sprayable  
· High visibility red colour  
· ISO 10993 Cytotoxicity approved | 21,000 | D60 | Red |
| **DYMAX 730-BT** | · Trimmable  
· Aggressive chemical resistance for plating and anodising  
· Easy to peel | 20,000 | D36 | Blue |
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| DYMAX 731    | · Aggressive processing mask  
· High adhesion  
· Bright yellow in colour  
· Replacement for 717-R (limited depth of cure) | 28,000    | D55      | Yellow     |
| DYMAX 733    | · High adhesion  
· Aggressive processing mask  
· Faster cure speed than 717-R and 728-G | 25,000    | D50      | Clear      |

= Our most popular products in this range
Other Information

See how Dymax SpeedMask works as part of a real application in this Case Study:

**Improving masking process for electroless nickel plating in Aerospace and Defense applications**

A manufacturer of landing gear and actuation systems for the aerospace market was looking for efficiencies in their electroless nickel plating process. They wanted to automate the masking process and increase throughput, which they achieved with Dymax SpeedMask 7601 and a Dymax BlueWave 200 UV curing lamp.

See our Technical Articles and White Papers page for a technical whitepaper on Environmentally Safe, UV Curable Masking Resins Reduce Aircraft Component Manufacturing Costs – by Rich Golebiewski, Dymax Corp
Dymax SpeedMask Temporary Masking
UV Resins

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