



2895 46th Avenue North • St. Petersburg, FL 33714  
Toll Free: 888-FOR-ALOY • Phone: 727-528-7998 • Fax: 727-528-7995  
www.extremecoating.com

## Application Profile

Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Country: \_\_\_\_\_

Contact Name(s): \_\_\_\_\_ Email: \_\_\_\_\_

Phone: \_\_\_\_\_ Ext.# \_\_\_\_\_ Fax: \_\_\_\_\_ Cell: \_\_\_\_\_

*This information will allow Extreme Coatings to estimate the return on an investment in a carbide coating in your specific application. Your input will establish the baseline for our performance guarantee of Double Life and provide you our free Rebuild Certificate should the coating not meet these expectations.*

### Materials Processed:

List all resins (Trade name, if available) Powder  Pellet  Other   
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List additives? (Include percentages of each including regrind if applicable) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Maximum Process temperature °F or °C \_\_\_\_\_

### Feed Screw:

Screw diameter? \_\_\_\_\_ Flighted length? \_\_\_\_\_ Barrier flight? \_\_\_\_\_ Mixer? \_\_\_\_\_

Substrate material? CPM  D-2  Other: \_\_\_\_\_

Hardfacing/flight armoring: Col. 83  Col. 56  Stellite  Other

Explain \_\_\_\_\_

Cost of new feed screw \$ \_\_\_\_\_ Cost to rebuild \$ \_\_\_\_\_

**Process**

**Injection molding:**

Screw Speed (RPM): \_\_\_\_\_ Injection Pressure: \_\_\_\_\_

Cycle Time: \_\_\_\_\_ Screw Run Time: \_\_\_\_\_

Back Pressure: \_\_\_\_\_ Polymer residence time: \_\_\_\_\_

Shot size: \_\_\_\_\_ Percent of shot used: \_\_\_\_\_

What types of products are produced? \_\_\_\_\_

Screw life in months: \_\_\_\_\_ Estimated O.D. wear when replaced: \_\_\_\_\_

Root wear? \_\_\_\_\_ Screw cleaned regularly? \_\_\_\_\_ Cleaning frequency? \_\_\_\_\_

**Extrusion:**

Output rate lb or kg per hr new: \_\_\_\_\_ worn: \_\_\_\_\_ Months to worn: \_\_\_\_\_

Screw RPM new: \_\_\_\_\_ worn: \_\_\_\_\_ Estimated O.D. worn: \_\_\_\_\_

Root wear? \_\_\_\_\_ Screw cleaned regularly? \_\_\_\_\_ Cleaning frequency? \_\_\_\_\_

Sell price of extruded output, or raw material cost per LB. or Kg.: \_\_\_\_\_

What types of products are produced? \_\_\_\_\_

**General Information:**

What specific problem or issues are you trying to eliminate? \_\_\_\_\_

Number of presses or extruders in your facility experiencing processing problems: \_\_\_\_\_

What is the hourly cost of machine downtime: \$ \_\_\_\_\_

What issues cause you to replace a feed screw? \_\_\_\_\_

What quality problems result as the screw and barrel wear? \_\_\_\_\_