



# BINDER SELECTION

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## Overview:

All Schmelzer Industries binder systems are available on any style and weight veil or lightweight reinforcement.

Selection should be based on the actual manufacturing process and end use resin system

The information below is intended to assist in the selection.

## Binder Selection:

Binder selection should take into consideration the specific molding process employed and the resin matrix. Additionally, the following should be considered.

### **100 Series:**

- High solubility in styrene
- Polyester based system
- Designed for open and closed mold applications
- Also used in dry application Filament Winding processes
- Provides fast wet-out
- Offers very good conformability in complex shapes
- Lower overall tensile strength

### **Other Binders:**

Schmelzer Industries works closely with key resin suppliers and is capable of developing a binder compatible with unique customer requirements.

## Binder Percentages:

The nominal binder percent on standard products is 10%. Optional percentages range between 3% and 15%. Any binder can be modified within that range.

The desired target percent can be specified by the customer.

## About Schmelzer Industries

Schmelzer Industries Inc., headquartered in Somerset, Ohio is a glass fiber manufacturer, custom materials developer and supplier of quality veils and light weight reinforcements into the composites industry. We can be found on the internet at [www.siveils.com](http://www.siveils.com)