



BINDER SELECTION

Binder Introduction:

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

Selection should be based on the actual process employed 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 Binder:

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

600 Series Binder:

- Low solubility system
- High tensile process strength
- Typically used in Pultrusion and Filament Winding.
- Normally used when wet tensile strength is important.
- Possesses higher strengths in both wet and dry applications.
- Often used with epoxy resins.

Other Binders:

Schmelzer Industries works closely with key resin suppliers and is capable of developing a unique binder that is compatibility with your demanding requirements.

Binder Percentages:

The typical nominal binder percent range on all Schmelzer products is between 7% and 15%.

The desired 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