

Theory of how composites work
History of composites

Materials

Reinforcement types

Forms

Styles

Weights

Resin chemistry

Gel Coat

Reasons for its use

Handling

Mold preparation

Safety

Application

Controlled spraying

Troubleshooting defects

Resin filler

Adhesive

Core types

Release agent

Skin coat

Processes

Open molding hand lay-up

Reinforcement placement

Wet out tools

Precautions

Resin-fiber-ratio

Resin mixing equipment

Chopper gun

Parts

Equipment

Operation

Setup

Application

Clean-up

Troubleshooting

Sandwich Construction

Installation Goals

Types of machined cores
Core installation
Bedding compound
Demolding, Trimming and Assembly

Personal Safety

Hazardous materials
Styrene exposure
Hazardous waste
Shop Safety