



# FIBER SHIELD™

FSV-20

## POOL AND SPA BARRIER COAT

**FIBER SHIELD™ (FSV)** is a 100% vinyl-ester-based barrier coat designed to replace traditional skin coats, offering superior protection against osmotic blistering while significantly reducing manufacturing time. Developed originally for the marine industry, FSV is trusted by several leading boat manufacturers as the go-to barrier coat for their vessels.

FSV arrives premixed in 55-gallon drums, featuring a patented blend of additives and a premium vinyl-ester resin backbone. This innovative composition forms an exceptional bond between the acrylic shell/gelcoat and bulk fiberglass layers. Sprayed directly onto the underside of the acrylic shell or gelcoat, FSV creates an unmatched barrier that prevents blistering, even under prolonged exposure to high heat and varying pH conditions.

Unlike traditional skin coats, FSV is engineered to be applied without glass, offering two significant advantages:

1. **Enhanced Blister Resistance:** Tests have shown that incorporating glass strands with vinyl-ester skin coats can trap air voids, increasing the risk of blistering. FSV sprays on evenly, effortlessly filling tight radii without creating air pockets.

2. **Faster Production:** FSV eliminates the need for rolling or sanding, enabling quicker cure times and streamlined manufacturing. A single gun operator can spray each spa in approximately five minutes, and with its rapid gel time and excellent bond strength, the spa is ready for bulk lamination just 40 minutes after application.

With its proven performance and efficiency, FSV delivers unparalleled blister protection and production advantages, setting a new standard for barrier coat technology in the spa and pool industries.

### **SPECIFICATIONS**

100% Vinyl Ester Resin Base

16% Styrene

5.5 lbs. per gallon

4-7 minutes for cup gel (100 gm. mass @ 77° F.)

45-60 minutes for cure to lamination (mold & ambient temperature dependent)

1.5% MEKP catalyst recommended

30-50 mils application



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