

Product selection guide Zyvax

Rating:

Poor ★	Good ★★ ★	Excellent ★★ ★★ ★★ ★★ ★★
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Process Technique:

	Rotational molding	SCRIMP	Resin transfer RTM	Hand Layup	Spray Layup	Prepreg	Pour casting	Flag Wrapping	Filament Winding	Polymer Concrete	Tape laying	Compression molding	Reaction injection RIM	Squish molding
Water Base	★★★★	★★★★	★★★★	★★★	★★★★	★★★★	★★★★	★★	★★★	★★★★	★★★	★★★★	★★★★	★★★★
Solvent Base	★★	★★★★	★★★★	★★★★	★★★	★★★★	★★★★	★★★★	★★★★	★★★	★★★★	★★★★	★★★★	★★★

Product Type:

	Water-based release agents	Solvent based release agents
Long polyester components (Typ' over 20 lin ft)	★★★★	★★★★★
Easier part releases	★★★★★	★★★★
High multiple pulls 1 – 10 low 15 – 20 medium 40 plus high	★★★	★★★★★

Product selection guide (continued)

Resin & tooling material combinations:

	Composite epoxy	Composite polyester	Plate glass	Steel	Aluminum	Nickel Electroform	Tooling block	Polyurethane	Plaster	Eutectic salt	Wood
Epoxy	1, 2, 3, 6	1, 2, 3, 6	1, 2	1 – 3	1, 2, 4, 5	1, 2, 4, 5	1, 2, 5	1, 3	5	5	5
Polyester Over 15 In ft	1, 4	1, 4, 8	1, 2, 8	4, 8	4, 8	4	1 – 5	1 – 4	1, 2	1, 2	5
Polyester Under 15 In ft	1 – 5	1 – 5, 8	1 – 5, 8	1 – 5, 8	1 – 5, 8	1 – 5	1 – 5	1 – 4	5	5	5
Rigid polyurethane	1, 3	1, 3	1, 3	1, 3	1, 3	1, 3			5	5	5
Soft polyurethane	1, 3	1, 3	1, 3	1, 3	1, 3	1, 3	5		5	5	5
EPDM rubber	1, 2	1, 2		1, 2	1, 2	1, 2			5	5	5

Suggested Zyvox release combinations:

	Zyvox mold sealer	Zyvox mold release
System 1	Sealer GP	EnviroShield*
System 2	Sealer GP	Fiberglass Shield
System 3	Sealer GP	Multi-Shield
System 4	Sealer GP	Composite Shield
System 5	SealProof	EnviroShield*
System 6	BN201	EnviroShield*
System 7	SealMatt	EnviroShield*
System 8	Sealer GP	Flex 1.0 – 6.0

*EnviroShield can be replaced with WaterShield for all situations where the release agent is applied below 50 F (10 °C) to the mold surface and exceptionally high slip releases are required. With no use of gelcoat in epoxy productions we recommend WaterShield.

SilverShield 320 can be applied directly on top of either the EnviroShield or WaterShield products (without any other preparation) to improve the mold surface tack level – especially important when working on complex geometry parts with low tack preregs.