

Fuji Epo "Amazing features that break the stereotypes of epoxy coatings"

		Resin	Hardner	Curing time	Complete curing time	Shore D hardness*	Notes
Normal application (1 layer coating)	special ratio A	2.5	1	8H	24H	60	The desired difference in soft hardness can be achieved by changing the mixing ratio
	quantitative ratio	2	1	8H	24H	80	Achieves outstanding hardness
	special ratio B	1.5	1	8H	24H	80	Even if you do not adhere to a strict weighing/mixing ratio, poor curing does not occur with a slight mixing balance (base compound ratio 1.5 to 2.0).
Advanced application (2 layers coating)	Undercoat	2.5	1	8H	24H	60	Inside : Soft hardness that makes it difficult for cracks to occur due to bending of the rod Surface : Outstanding hardness that prevents scratches on surface
	Finish coating	2	1	8H	24H	80	

The ideal coating is achieved by using different mixing ratios of Fuji Epoxy and applying two layers.

Evaluation	Fuji Epo	competitor products	competitor products	competitor products	competitor products	competitor products
		A	B	C	D	E
Mixed condition	Resin 100 : Hardner 50	Resin 100 : Hardner 100	Resin 100 : Hardner 100	Resin 100 : Hardner 100	Resin100 : Hardner 100	Resin100 : Hardner 100
Curing time	8H	24H	24H	24H	24H	24H
Smell	pungent smell	pungent smell	pungent smell	pungent smell	pungent smell	pungent smell
Coatability on rod	Good	Good	Good	Good	Good	Good
	Good	Good	Poor adhesion	Good	Poor adhesion	Poor adhesion
Bubble removal after application	No bubble remaining	Some bubbles remain	Good	Good	Good	Good
	No bubble remaining	No bubble remain	No bubble remain	No bubble remain	No bubble remain	No bubble remain
Thread impregnability	Good	Good	Good	Good	Good	Good
Coating thickness	Seamless (You can see thread line if you apply a thin coat.)	You can see thread line	Seamless (You can see thread line if you apply a thin coat.)	Seamless (Seamless even when applied thin coating.)	Seamless (You can see thread line if you apply a thin coat.)	Seamless (You can see the thread line if you apply a thin coat.)
Surface curability	No stickiness (No tack)	No stickiness (No tack)	—	—	—	—
State after curing of rod coating	No turbidity, good gloss	No turbidity, good gloss	No turbidity, good gloss	No turbidity, good gloss	Poor surface coating	No turbidity, good gloss
	Even(No bumps)	Uneven(some bumps)	Uneven(some bumps)	Uneven(some bumps)	Uneven(some bumps)	Uneven(some bumps)
Hardness after curing	Good (No claw marks) 80	Good (No claw marks) 70	Good (No claw marks) 70	Claw marks remain 60	Good (No claw marks) 65	Claw marks remain 55
Foot drop strength [N]	168.00	109.10	94.70	110.90	108.70	82.50
Scratch resistance	Good	Good	Good	Good	Good	Good
Weatherability	Slightly yellowed	Slightly yellowed	Slightly yellowed	Yellowed	Slightly yellowed	Yellowed
chemical resistance	Good	Bleaching	Bleaching	Bleaching	Good	Good
	Good	Bleaching	Bleaching	Bleaching	Bleaching	Good
	Good	Good	Good	Good	Good	Good
water resistant	Slight surface bumps	Surface bumps	Bleaching	Slight surface bumps	Bleaching	Dissolution
Heat-resistant	Good	Good	Slightly rough surface	Crack occurs	Rough surface	Slight surface bumps
Cold resistance	Good	Good	Good	Good	Rough surface	Good