



**PROCLEAR
CLEAR EPOXY
COATING SYSTEM
UV RESISTANT**

PRODUCT BULLETIN



www.axson-technologies.com
31200 Stephenson Hwy

800.344.7776
Madison Heights, MI 48071

axsonmh@axson.com
Ph 248.588.2270 Fax 248.588.5909

DESCRIPTION

ProClear is a water clear UV and weather resistant epoxy casting, laminating and coating system that will not visibly yellow from UV exposure. ProClear has excellent gloss retention and highly resists any chalking, checking, cracking, blistering or flaking. This system can be thin cast up to 1/4". ProClear is cloudy in the container, but when mixed and applied it turns clear. Stir resin and hardener individually before each use as there are chemical additives in both sides that can separate. Then combine resin and hardener and mix together at the proper ratio.

BENEFITS AND USES

- Impact resistant
- Water clear
- Low viscosity
- Excellent for coating marine wood including interior surfaces

TYPICAL HANDLING CHARACTERISTICS @ 77°F (25°C)

Mix Ratio (parts by weight)	100R/40H
Specific Gravity	1.17 g/cc
Mixed Viscosity.....	450-650 cps
Work Life (200 gram mass)	70-110 minutes
Complete Cure	7 days @ 77°F (25°C)
Mixed Color	Water Clear
Shelf Life Resin & Hardener (in original unopened containers)	2 years

NOTE: Stir resin and hardener before each use; chemical additives in this resin and hardener can separate.

TYPICAL PHYSICAL PROPERTIES @ 77°F (25°C)*

Tensile Strength	5,500psi (38MPa)
Tensile Modulus	196,000psi (1,351MPa)
Tensile Elongation.....	4%
Flexural Strength.....	8,000psi (55MPa)
Flexural Modulus.....	365,000psi (2,517MPa)
Cured Hardness	83 Shore D
Compressive Strength.....	9,900psi (68MPa)
Compressive Modulus.....	240,000psi (1,655MPa)
Impact Strength - notched	0.6 Ft.lbf/in ² (1.26 KJ/m ²)
Demolding Time ***	24 – 35 hours.

*Cured for 4 days at 77°F ± 4°F (25°C ± 2°C)

****Suggestions to consider when casting**

1. *Limit air blowing across surface as this can induce surface irregularities and create temperature differentials which can lead to surface imperfections.*
2. *Ensure that surface temperature of mold is greater than 10°F (3°C) above dew point.*
3. *To achieve the best results if using in higher humidity conditions or with potentially contaminated substrates, an induction period before application is recommended, e.g., allow material to sit in mixing container after initial mix for 20-30 minutes. Swirl carefully and then apply.*

***Casted 30 grams mixed material into chip at .075" thickness, cured at 77°F (25°C).

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AXSON TECHNOLOGIES US +1 248 588 2270 axsonmh@axson.com axson-na.com	CHINA +86 21 58 68 30 37 marketing.china@axson.com	GERMANY +49 6 07 44 07 11-0 verkauf@axson.com	INDIA +91 20 25 56 07 10-11 info.india@axson.com	ITALY +39 02 96 70 23 36 axson@axson.it	JAPAN +81 5 64 26 25 91 sales.japan@axson.com	FRANCE Global Headquarters +33 1 34 40 34 60 axson@axson.com axson-technologies.com
	MEXICO +52 55 52 64 49 22 marketing@axson.com.mx	MIDDLE EAST +971 7 2432227 axsonmiddleeast@axson.com	SLOVAKIA +42 1 76 42 25 26 axson.sk@axson.com	SPAIN +34 9 32 25 16 20 spain@axson.com	U.K. +44 16 38 66 00 62 sales.uk@axson.com	