

# BIO CLEAR SURF LAMINATION

## N213 RESIN + N085 HARDENER

Epoxy system of low viscosity, modified with its structure formed by molecules of biological origin, specially developed for lamination planks



with fabrics of natural fibers and/or pigmented planks. Being the first Brazilian resin to win the Product Label ID 7589.

## BENEFITS

Increased resistance to stress, impact and thermal shock, better flexibility response and torsion to the point of origin. Hydrophobicity, with greater resistance to saline water.

## PRODUCT INFORMATION

EPOXY RESIN N213		HARDENER N085	
Visual Appearance	Translucent Liquid	Visual Appearance	Translucent Liquid
Viscosity at 25 °C (ASTM D1200)	1100 – 1700 mPas	Viscosity at 25 °C (ASTM D1200)	75 mPas
Density at 25 °C (ISO 1675)	1.09 – 1.15 g/cm <sup>3</sup>	Density at 25 °C (ISO 1675)	0,995 – 1,015 g/cm <sup>3</sup>
Epoxide index (ISO 3001)	5.85 – 6.55 Eq/Kg	Equivalent Wt/{H <sup>+</sup> }	85 - 95

## Notices for Application

1. Work in a clean environment with ease of heating.
2. Ideal working temperature: between 21°C. and 30°C.
3. Maintain a constant temperature during lamination.
4. Avoid high ambient humidity. Hygrometry should be less than 80%.
5. Avoid exposure to U.V. during healing. The system has a total polymerization of 7 days at 25 °C, or the cured material will exhibit a weak U.V. resistance.
6. Do not make water sandpaper before 2 healing days at 25 °C.
7. Keep packages well sealed, hardeners are sensitive to carbon dioxide and moisture.

MIXING RATIO ( WEIGHT)	
N213 RESIN	100
HARDENER N085	33
MIX PROPERTIES	
Viscosity - 25 °C	~215 mPas
Gel Time 150g - 25 °C	45 min.
Exothermic Peak 150g 25°C	123°C
Powder Drying - 25 °C	4h
Drying p Sandpaper - 25 °C	24h
Care 90% - 25 °C	36h
Hardness Shore D - 2mm (cure from 7 days to 25 °C)	81



At room temperature the service life is at least 12 months in the original packaging conditions.

*The indications contained in this technical information are based on carefully executed tests and should serve as a reference to the user. It is not binding information, and therefore we cannot assume any responsibility, also related to the protection of third party rights, due to diversity in the treatment and application of products.*