

# TECHNICAL DATA SHEET

## Nitro Substrate Bonder

### Features

- Noncritical 1:1 mix ratio.
- Fast open time and green strength development.
- Adheres to a wide variety of substrates.
- Remains easy to dispense from 0-150F.
- Will cure to wet substrates or when moisture is present.
- Remains flexible allowing for vibration and movement when bonding different materials.

### Benefits

- Conforms to California Proposition 65
- Reduces set up time and bond and fixture time.
- Easily dispensed by manual or pneumatic equipment.

### Description

Nitro Substrate Bonder is two component flexibilized epoxy adhesive designed to offer high strength bonds to solid surface, natural stone, cultured marble, composite materials, and porous substrates including wood and MDF.

Nitro Substrate Bonder features stiffness, high strength, and the ability to bond a wide range of materials similar to traditional epoxy adhesives and achieve 500 psi in 15 minutes at 73F / 23C. Nitro Substrate Bonder is supplied in a convenient 1:1 mix ratio in ready-to-use 400-ml cartridges to be dispensed as a non-sagging gel.

Physical Properties	Result
Viscosity (cps)	A: 40,000 – 60,000
	B: 20,000 – 35,000
Density (lb / gal)	8.3 lbs./gal
Lap Shear Strength psi (MPa) • MDF to solid surface	150 psi (1.03 MPa)
Elongation at Break %	50
Service Temperature Range °F (°C)	-40 to 120 (-40 to 49 C)

Product	Open Time	Fixture Time	Full Strength
Nitro Substrate Bonder	7 – 9 minutes	4 hours	24 hours