

## Product Data Sheet: Pourable Ceramic Transom Compound



Description: NIDA-CORE formulates its Ceramic Pourable Compound with premium polyester resins and high strength ceramic spheres resulting in high tensile and flexural strength. This lightweight compound is ideal for filling large volumes where strength and rigidity are major concerns. The NidaBond Ceramic Pourable Compound mixes and pours easily from the 5-gallon pail.

Nida-Bond TPC is a specially formulated, polyester based ceramic filled pourable compound developed by Nida-Core Corporation for manufacture of net shape transom coring in powerboat hulls and cavity filling where high compression values are needed. Use of premium resins results in high tensile and flexural strength. Its high adhesive strength provides an excellent bond between the bonded substrates. Consult MSDS for additional handling, storing and safety information. The absence of wood in powerboat transoms is a marketing advantage.

Material Temperature	% by weight	gm/gal	gm/5 gal	cc/gal	cc/5 gal
60-65° F	2.00	66	323	63	310
65-70° F	1.80	59	290	57	279
70-75° F	1.60	53	258	51	248
75-80° F	1.50	49	242	47	232
80-85° F	1.20	39	194	38	186
85-90° F	1.00	33	161	32	155
90-95° F	0.80	26	129	25	124

- Excellent rigidity and strength .
- Formulated with premium resins
- Low shrinkage and exotherm
- Low styrene content
- Structural applications where high compressive strength is required
- 7 times better compression strength than plywood

5 US gal per pail or 18.9 Liters

Average pail weight 36 lbs

Shelf life 90 days from date printed on pail.

Catalyze with MEKP

Additional documents available regarding NidaBond Transom Ceramic Pourable Compound MSDS

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General & Mechanical Properties	Nida-Bond
Color	Grey
Gel Time	18-24 Min
Weight per Gallon/Liter	7.1-7.3 lbs/ Gallon or 0.85 kg/ Liter
Working Time (1" thick @88F shop temp)	38-52 min
Peak Exotherm	150-180 F
Tensile Elongation (ASTM-638-82)	9.14
Tensile Strength	1594 Psi
Viscosity @ 2.5 Rpm Viscosity	85 000 Min Cps 105 000 Max Cps
Viscosity @ 20 Rpm	25000min Cps 38000max Cps

Rpm Viscosity Ranges: Viscosity (m) tests performed on Brookfield RVT (#7 spindle) at 77 deg F