

TRI NCC 209™

Recently developed by TRI for the U.S. Navy to fight cathodic delamination (premature bond failure) of submarine connectors, TRI's NCC 209™'s metal pretreatment system is ideal for use in harsh environments such as industrial, subsea and down-hole operations. NCC 209™ firmly adheres rubbers to metals so they can survive chemical exposure and high-pressure, extreme temperature conditions.

In independent third part testing, the new NCC 209™ out performs all other NCC systems in standard overmolds with peel strengths well beyond any previously seen. The result is a bond that can survive the harshest corrosive environments over an extended service life.

NEW OVERMOLD SYSTEM

- New NCC (Non-Conductive Coating) for both Navy and commercial applications
- Reduces exposure to harmful VOC's and hazardous materials
- Reduces the number of failure points that exist in the currently approved overmold systems
- Increased reliability, reduced costs, improved application methods

NCC 209 SPECIFICATIONS

- 2 component modified epoxy
- Thickness is 35 mils + or -10 mils
- Max temperature in process is 130C
- Standard undercut request is 10 mils
- Indefinite shelf life if stored correctly
- Cleaning and prep standard solvents are acceptable

COMPARING OLD NCC STACK TO NEW TRI NCC 209™

Castable Polyurethane PR-1547 or EN-1556	Castable Polyurethane PR-1547 or EN-1556	TRI-109-2 Castable Hydrophobic Polyurethane
Primer PR-420 or AD-1146	Primer PR-420 or AD-1146	NCC 209™
Seal Coat		
Ceramic Layer		
Metal Matching Layer		
Metal Substrate	Metal Substrate	Metal Substrate



TRI NCC 209™

A Product of TRI Austin

TRI Next Generation NCC provides:

- Improved cathodic protection
- Ease of processing
- Applicable to NLOS locations
- Lower cost
- Higher density (less porosity)



M-24231 Plug Sleeves Coated with NCC 209™



tri-appliedtech.com

TO LEARN IF TRI NCC 209™
CAN HELP YOU WITH YOUR
APPLICATION, CONTACT:

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TRI Applied Technologies is the product arm for TRI Austin. Applied Technologies provides commercialization strategies, product production, sales support, and marketing efforts for products developed by TRI Austin.

