



*"Lifting Polyurethanes to a Whole New Level"™*

## Polyurethane Chemical Systems for Geo-Technical Applications

### CONCRETE LIFTING, VOID FILL AND UNDERSEALING

**24-003** is a 3.0 to 4.0 lbs per ft<sup>3</sup> density, plural component, polyurethane foam designed for concrete lifting and void filling applications. This system is hydrophobic making it ideal for applications where water may be present under or around a concrete slab. This system offers excellent compressive and tensile strength values (based on ASTM test methods) and is highly resistant to chemicals and solvents.

**24-486** is a 4.0 lbs per ft<sup>3</sup> density, plural component, polyurethane foam ideally suited for concrete lifting and void fill applications. This system has excellent compressive and tensile strengths (based on ASTM test methods) and is highly resistant to chemicals and solvents.

**24-486 SLOW** is a 4.0 lbs per ft<sup>3</sup> density, plural component, polyurethane foam designed for concrete slab undersealing and void filling applications. With an extended reactivity profile (cream time 80 seconds and rise time up to 380 seconds), 24-486 flows and reacts with good undersealing characteristics and minimal lift. This system has excellent compressive and tensile strengths (based on ASTM test methods) and is highly resistant to chemicals and solvents.

**24-010** is a 2.5 lbs per ft<sup>3</sup> density, plural component, polyurethane foam for concrete lifting and void fill applications. This system is ideally suited for general applications. This system is available in slow, regular and arctic formulations, and offers excellent resistance to chemicals and solvents.

**24-031** is a 6.0 lbs per ft<sup>3</sup> density, plural component, polyurethane foam for concrete lifting. When higher compressive strength and tensile strength are required, this system is ideally suited for the application.

<i>Product Code</i>	<i>Compressive Strength (Free Rise) ASTM 1621</i>	<i>Tensile Strength (Free Rise) ASTM 1623</i>	<i>Compressive Strength (Confined) ASTM 1621</i>	<i>Tensile Strength (Confined) ASTM 1623</i>
24-003	55 psi	70 psi	90 psi	110 psi
24-486	60 psi	82 psi	69 psi	146 psi
24-486 SLOW	60 psi	82 psi	69 psi	146 psi
24-010	35 psi	45 psi	75 psi	75 psi
24-031	120 psi	130 psi	240 psi	220 psi

## SINGLE AND PLURAL COMPONENT SOIL AND ROCK STABILIZATION

**24-077132** is a hydrophobic, low viscosity (A component 200 cps / B component 340 cps), plural component polyurethane elastomer system designed for rock and soil stabilization applications. Compressive strength of >10,000 PSI and tensile strength of >8,100 PSI make this ideal for rock stabilization. This product is available in 55 gallon drums sets and 275 gallon tote sets.

**24-015** is a single component, low viscosity (100 cps), polyurethane grout ideally suited for soil stabilization and water cutoff applications. Compressive strength exceeds 1,000 PSI. This product is available in 5 gallon buckets, 55 gallon drums, and 275 gallon totes.

## PIPE LINE TRENCH BREAKER, PAD, PILLOW AND POLY BACK FILL

**24-014** is a 2.1 lbs per ft<sup>3</sup> density, specially developed, plural component, polyurethane foam that when applied in great thicknesses or quantities will not char or burn. This system is formulated for constructing pipe line trench breakers, pipe pads, and pillows. This system can also be used for substitute back fill where high compressive strength and stability is required.

## CRACK AND JOINT SEALING

**24-017** is a plural component, polyurea, crack sealing system developed for sealing cracks and joints in concrete and asphalt. This system can also be used for wood and masonry applications. This system can be machine processed or applied using various types of plural component caulking guns, and it can be formulated in various colors such as Lt Gray, Black, Brick Red or White.

## POST AND POLE SETTING

**24-008** is a 3.75 lbs per ft<sup>3</sup> density, plural component, polyurethane foam with excellent strength developed for and used to set posts and poles in various applications. In addition the reaction times are designed for easy mixing and hand pour applications.

## MISCELLANEOUS POLYURETHANE AND PROTECTIVE COATINGS

NCFI Polyurethanes offers numerous other systems for geo-technical, industrial, and commercial applications. Other applications include: high temperature insulation, USCG approved floatation foam, general purpose insulation foam, and

slow rise cavity fill products. Coatings include: various polyureas, elastomeric, urethane, silicone and butyl.

## GRACO EQUIPMENT PARTS & SERVICE

NCFI is an authorized Graco distributor with a complete inventory of Graco equipment and parts. These include plural component spray machines and coating rigs. NCFI maintains a complete inventory of repair parts on hand ready for immediate delivery in most cases. We also design and build complete trailer rigs to meet numerous applications and can rig box and van type vehicles. Our factory trained technical support team offers classroom and on-site operator training, and on-site equipment troubleshooting and diagnosis.

Contact us for equipment training school dates and times or call to schedule an equipment evaluation and operator training session.



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