MasterSeal® NP 150
Specialized Hybrid Sealant Technology
The Sealant Preferred by Restoration Professionals

The Original Hybrid—originally developed and introduced under the Sonneborn® brand in 1998, MasterSeal NP 150 holds the prestigious title of being the first true hybrid Joint Sealant to gain acceptance in the North American commercial construction market. With an ability to accept significant thermal movement, a surface that readily accepts acrylic coatings and an inherent ability to bond to plastics, metals, and existing sealant residues, MasterSeal NP 150 is truly the “Preferred Sealant” of restoration professionals.

Dependable, high performance for the long term
Since its introduction it’s success has spawned many imitators. The unique properties of MasterSeal NP 150 have proven over time that it has the adhesion, flexibility, compatibility with coatings and durability needed to provide a long-term watertight seal to depend on.

Application properties designed for ease of use
The high performance of MasterSeal NP 150 combined with ease of application maximizes profits, reduces contractor callbacks and creates showcase projects that speak for themselves. It’s the ideal sealant for restoration tool kits.

Sustained performance for prolonged building life
The superior weather resistance, strong adhesion to a wide range of materials including architectural coatings, and the extended life cycle of MasterSeal NP 150 joint sealant make it essential for sustainable repairs and long term integrity.

MasterSeal NP 150
A unique high performance, one-component, non-sag sealant with high movement capability and strong unprimed adhesion to porous and non-porous materials. The combination of movement capability and rapid paintability make this the ideal sealant for restoration projects and anywhere coatings are used in combination with sealants.

MasterSeal NP 150 Tint Base
A multi-component, non-sag, high performance sealant, MasterSeal NP 150 Tint Base combines excellent movement capability with the availability of over 450 colors to match any substrate. It’s easy to mix, gun and tool, and can be painted as soon as it skins, resulting in faster turnaround on time-sensitive projects.

Ideal for a wide range of applications
- Expansion and construction joints in precast concrete panels and in-situ concrete
- Brick and masonry joints
- Cladding and metal curtain wall joints
- Marble, granite and GFRC facade joints
- Metal and plastics
- Doors, window and siding
- EIFS & Stucco
**Hybrid Technology: the best of silicone and polyurethane**

MasterSeal NP 150 combines the best properties of polyurethane and silicone sealant technologies. This unique hybrid chemistry was specifically chosen for its high performance characteristics such as movement, adhesion and paintability.

**Built for handling**

Easy application means more successful results. MasterSeal NP 150 is easy to gun and tool, making application amazingly simple. The result: neater beads and joints, thereby improving the aesthetics of each project.

**Engineered to stick**

MasterSeal NP 150 provides superior long term adhesion to a wider range of substrates. With low modulus and robust adhesion, it strongly adheres to many types of substrates including mortar, stone, metals and plastics.

It is also ideal for use with EIFS. Its low modulus minimizes stress on the bond line even at 100% extension in accordance with EIMA standards.

Its high solids content eliminates shrinkage, and will not separate from the substrate, even after years of weathering.

**Designed to last**

MasterSeal NP 150 has strong durability and weather resistance. It resists cracking, splitting, discoloration and adhesion failure caused by expansion and contraction of building joints year after year.

**Very low VOCs**

MasterSeal NP 150 meets federal AIM/VOC regulations. Containing little or no detectable odor, it is ideal for interior work and for projects requiring LEED credit.

**Low temperature gunnability**

MasterSeal NP 150 is less dependent on temperature changes than most sealants, producing easy and consistent gunnability and less fatigue during the application process.

**Enhanced Aesthetics**

The superior paintability and non-staining characteristics of MasterSeal NP 150 improve building aesthetics. Easily match any color through custom tints or choose from our full line of standard colors. Either way, buildings look great longer.

**It’s all in the chemistry!**

MasterSeal NP 150’s hybrid technology offers the best of both urethane and silicone technologies. Created from STPe chemistry, a high molecular weight polypropylene oxide is capped with allyl and hydroisilylated producing a methyldimethoxysilyl end-capped polyether. The polyether chain imparts good storage stability and durability while methyldimethoxysilyl functional groups offer high reactivity. Unlike polyurethanes, aminosilanes can be used to provide superior adhesion to a variety of substrates. During cure, methoxysilane functional groups react with moisture-liberating, methanol producing silanol groups. These silanols further react with other silanols or methoxysilanes producing siloxane linkages. The curing mechanism is illustrated above. Though siloxane linkages are produced, MasterSeal NP 150’s main chain is polyether which, unlike silicone sealants, provides superior paintability.
Master Builders Solutions from BASF

The Master Builders Solutions brand brings all of BASF’s expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of BASF construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction. The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair and protection solutions, performance grouts, performance flooring solutions.

Master Builders Solutions products from BASF for the Construction Industry:

**MasterAir®**
Solutions for air-entrained concrete

**MasterGlenium®**
Solutions for high-performance concrete

**MasterBrace®**
Solutions for concrete strengthening

**MasterInject®**
Solutions for concrete injection

**MasterCast®**
Solutions for manufactured concrete product industry

**MasterKure®**
Solutions for concrete curing

**MasterLife®**
Solutions for enhanced durability

**MasterMatrix®**
Advanced rheology control solutions for self-consolidating concrete

**MasterPel®**
Solutions for water tight concrete

**MasterPolyheed®**
Solutions for high-performance concrete

**MasterFiber®**
Comprehensive solutions for fiber reinforced concrete

**MasterProtect®**
Solutions for concrete protection

**MasterRheobuild®**
Solutions for super-plasticized concrete

**MasterRoc®**
Solutions for underground construction

**MasterSeal®**
Solutions for waterproofing and sealing

**MasterSet®**
Solutions for retardation control

**MasterSure®**
Solutions for workability control

**MasterTop®**
Solutions for industrial and commercial floors

**MasterWeld®**
Solutions for construction adhesives

**Ucrete®**
Flooring solutions for harsh environments

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