

MasterSeal® NP 150™ Tint Base

Multi-component, moisture-curing, low-modulus,
high-movement, fast-setting, hybrid sealant

FORMERLY SONOLASTIC® 150 TINT BASE

PACKAGING

1.5 gallon (5.7 L) units

COLORS

40 standard, stocked colors are available. Refer to Master Builders Solutions Color Portfolio for additional colors.

YIELD

See page 3 for charts

STORAGE

Store in original, unopened containers in a cool, dry area. Protect unopened containers from heat and direct sunshine. Storing at elevated temperatures will reduce the shelf life.

SHELF LIFE

1 year when properly stored

MIXED VOC CONTENT

When components are mixed this product contains less than 28 g/L less water and exempt solvents.

DESCRIPTION

MasterSeal NP 150 Tint Base is a premium-grade, high-performance, multi-component tintable, non-sag, hybrid sealant. It can be tinted to multiple colors.

PRODUCT HIGHLIGHTS

- Superior adhesion resulting in a long term bond helping reduce call backs
- Low modulus to accommodate for joint movement (100% extension in EIFS joints with little stress on bond line)
- Can be painted with elastomeric coatings soon after installation
- Easy to gun and tool to speed up application
- Wide temperature application range
- Weather resistant to provide long-lasting weathertight seals
- Fast curing helps to speed up jobsite production
- Non-staining formula for use on stone and other sensitive substrates
- Meets all State and Federal VOC regulations
- Adheres to low energy surfaces including polyethylene, polypropylene, and polyolefins

APPLICATIONS

- Vertical or horizontal
- Exterior or interior
- Above grade
- Joints with high movement
- In place of silicone sealants
- Store front systems
- Expansion joints
- Panel walls
- Precast units
- Aluminum, vinyl, and wood window frames
- Fascia
- Parapets
- Sanitary applications

SUBSTRATES

- EIFS
- Stucco
- Aluminum
- Concrete
- Masonry
- Wood
- Stone
- Metal
- Vinyl
- Fiber cement siding

Technical Data

Composition

MasterSeal NP 150 Tint Base is a formulation based on hybrid polymer.

Compliances

- ASTM C 920, Type M, Grade NS, Class 50, Use NT, M, A, and O
- Federal Specification TT-S-001543A, Type II, Class A, Type Nonsag
- Federal Specification TT-S-00230C, Type II, Class A
- Corps of Engineers CRD-C-541, Type II, Class A
- USDA compliant for use in areas that handle meat and poultry

Typical Properties

| PROPERTY | VALUE |
|--|---------------------------|
| Service temperature range, ° F (° C) | -40 to 180 (-40 to 82) |
| Shrinkage | None |



**SEALANT - WATERPROOFING
& RESTORATION INSTITUTE**

Issued to: BASF Corporation
Product: MasterSeal NP 150

C719: Pass ✓ Ext:+50% Comp:-50%

Substrate: Primed Mortar, Unprimed Anodized Aluminum
& Unprimed Glass [molar substrates were primed with
MasterSeal P-179]

Validation Date: 2/13/18 - 2/12/23

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SEALANT VALIDATION
www.swrionline.org

Test Data

| PROPERTY | RESULTS | TEST METHOD |
|---|------------------------------|-------------|
| Movement capability, % | ±50 | ASTM C 719 |
| Extension | 100% | ASTM C 1382 |
| Tensile strength, psi (MPa) | 165 (1.1) | ASTM D 412 |
| Tear strength, lb/in (kg/cm) | 40 (7.1) | ASTM D 1004 |
| Ultimate elongation at break, % | 800 | ASTM D 412 |
| Rheological, (sag in vertical displacement), at 120° F (49° C) | No sag | ASTM C 639 |
| Extrudability, ml/min | 165 | ASTM C 1183 |
| Hardness, Shore A, at standard conditions | 15 | ASTM C 661 |
| Weight loss, after heat aging, % | < 10 | ASTM C 792 |
| Tack-free time, min, (maximum 72 hours) | 120 | ASTM C 679 |
| Stain and color change | Passes (no visible stain) | ASTM C 510 |
| Bond durability,* pli (kg/cm), on aluminum and concrete, ± 50% movement | Passes | ASTM C 719 |
| Adhesion* in peel, pli (kg/cm), (minimum 5 pli [0.9kg/cm]) | | ASTM C 794 |
| Aluminum | 32 (5.7) | |
| Concrete | 32 (5.7) | |
| Adhesion in peel, after UV radiation through glass, (minimum 5 pli [0.9kg/cm]) | 25 (4.4) | ASTM C 794 |
| Artificial weathering, Xenon arc, 2,000 hrs | No cracking | ASTM G 26 |

*Concrete primed with MasterSeal P 179 for water immersion dictated by ASTM C 920.
Test results are typical values obtained under laboratory conditions. Reasonable variations can be expected.

HOW TO APPLY

JOINT PREPARATION

1. The product may be used in sealant joints designed in accordance with SWR Institute's Sealants - The Professional's Guide.
2. In optimum conditions, the depth of the sealant should be ½ the width of the joint. The sealant joint depth (measured at the center) should always fall between the maximum depth of ½" and the minimum depth of ¼". Refer to Table 1.
3. In deep joints, the sealant depth must be controlled by closed cell backer rod or soft backer rod. Where the joint depth does not permit the use of backer rod, a bond breaker (polyethylene strip) must be used to prevent three-point bonding.

TABLE 1

Joint Width and Sealant Depth

| JOINT WIDTH, IN (MM) | SEALANT DEPTH AT MIDPOINT, IN (MM) |
|-------------------------|---------------------------------------|
| ½–¾ (13–19) | ¼–⅜ (6–10) |
| ¾–1 (19–25) | ⅜–½ (10–13) |
| 1–1½ (25–38) | ½ (13) |

4. To maintain the recommended sealant depth, install backer-rod by compressing and rolling it into the joint channel without stretching it lengthwise. Closed-cell backer rod should be about ⅛" (3 mm) larger in diameter than the width of the joint to allow for compression. Soft backer rod should be approximately 25% larger in diameter than the joint width. The sealant does not adhere to it, and no separate bond breaker is required. Do not prime or puncture the backer rod.

Yield

LINEAR FEET PER GALLON*

| JOINT DEPTH, (INCHES) | 1/4 | 3/8 | 1/2 | 5/8 | 3/4 | 7/8 | 1 | 1 1/2 | JOINT WIDTH (INCHES) | |
|--------------------------|-----|-----|-----|-----|-----|-----|----|-------|----------------------|----|
| | | | | | | | | | 2 | 3 |
| 1/4 | 308 | 205 | 154 | 122 | — | — | — | — | — | — |
| 3/8 | — | — | — | 82 | 68 | 58 | 51 | — | — | — |
| 1/2 | — | — | — | — | 51 | 44 | 38 | 26 | 19 | 12 |

METERS PER LITER

| JOINT DEPTH, (MM) | 6 | 10 | 13 | 16 | 19 | 22 | 25 | 38 | JOINT WIDTH (MM) | |
|----------------------|------|------|------|-----|-----|-----|-----|-----|------------------|-----|
| | | | | | | | | | 50 | 75 |
| 6 | 24.8 | 16.5 | 12.4 | 9.8 | — | — | — | — | — | — |
| 10 | — | — | — | 6.6 | 5.5 | 4.7 | 4.1 | — | — | — |
| 13 | — | — | — | — | 4.1 | 3.5 | 3.0 | 2.2 | 1.5 | 0.7 |

SURFACE PREPARATION

Substrates must be structurally sound, fully cured, dry, and clean. Substrates should always be free of the following: dirt, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofing or curing and parting compounds, membrane materials and sealant residue.

EIFS

1. MasterSeal NP 150 Tint Base should be applied to the system base coat for best adhesion and to avoid delamination of EIFS finish applied in the joint.
2. Base coat must be sound, well bonded, properly cured and of sufficient depth to comply with manufacturer's specifications.
3. Certain EIFS systems require the use of a primer. Refer to the EIFS manufacturer for recommendations.

CONCRETE, STONE, AND OTHER MASONRY

Clean by grinding, sandblasting, or wire brushing to expose a sound surface free of contamination and laitance.

WOOD

New and weathered wood must be clean, dry and sound. Scrape away loose paint to bare wood. Any coatings on wood must be tested to verify adhesion of sealant or to determine an appropriate primer.

METAL

Remove scale, rust, and loose coatings from metal to expose a bright white surface. Any coatings on metal must be tested to verify adhesion of sealant or to determine an appropriate primer.

PRIMING

1. MasterSeal NP 150 Tint Base is generally a non-priming sealant, but special circumstances or substrates may require a primer.
 - Porous materials subject to intermittent water immersion require priming. Use MasterSeal P 179.
 - Certain architectural metal finishes may require priming with MasterSeal P 173.
 - It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application. Refer to the technical data guides for MasterSeal P 179 and MasterSeal P 173.
2. Apply primer full strength with a brush or clean cloth. A light, uniform coating is sufficient for most surfaces. Very porous surfaces may require a second coat of MasterSeal P 179; however, do not over apply.
3. Allow primer to dry before applying MasterSeal NP 150 Tint Base. Depending on temperature and humidity, primer will be tack free in 15–30 minutes. Priming and sealing must be done on the same work day.

MIXING

1. MasterSeal NP 150 Tint Base is a multi-component system and must be thoroughly mixed before use. The oversize Part A container allows for the addition and mixing of Part B and color pigment into Part A.
2. Transfer entire contents of Part B to Part A container using a spatula or margin trowel.
3. Part B be mixed thoroughly with Part A. Before adding pigment, scrape sides of container to ensure complete mixing of Parts A and B. With a slow-speed drill and a sealant mixing paddle, mix 4–6 minutes. Keep the paddle blade below the surface of the sealant to avoid whipping air into the sealant.
4. Transfer the entire contents of one MasterSeal 900 pigment can into the mixed Part A and B. Use a spatula or knife to remove all the pigment from the container. Continue mixing with a slow-speed drill and slotted paddle until color is uniform. During the process, scrape the sides and bottom of the mixing container several times to obtain a complete mix.
5. The pot life of mixed MasterSeal NP 150 Tint Base is influenced by temperature and humidity. Approximate pot life is 1–2 hours at 70° F (21° C) and 50% relative humidity.

APPLICATION

1. MasterSeal NP 150 Tint Base comes ready to use. Apply using professional grade bulk gun. Do not open pails until preparatory work has been completed.
2. Fill joints from the deepest point to the surface by holding an appropriately sized nozzle against the back of the joint.
3. Dry tooling is recommended. Proper tooling results in the correct bead shape, neat joints, and optimal adhesion.

CURING TIME

The cure of MasterSeal NP 150 Tint Base varies with temperature and humidity. The following times assume 75° F (24° C), 50% relative humidity, and a joint ½" (13 mm) in width by ¼" (6 mm) in depth.

- Skins: within 3–4 hours
- Full cure: approximately 1 week

CLEAN UP

1. Immediately after use, clean equipment with MasterSeal 990 or xylene. Use proper precautions when handling solvents.
2. Remove cured sealant by cutting with a sharp-edged tool.
3. Remove thin films by abrading.

FOR BEST PERFORMANCE

- Units of MasterSeal NP 150 Tint Base are premeasured; do not use partial units
- In cold weather, store container at room temperature for at least 24 hours before using.
- Not for use in glazing applications. Do not apply on glass and plastic glazing panels.
- For proper sealing of joint edges, all window covers must be removed prior to application of sealant.
- Do not allow uncured MasterSeal NP 150 Tint Base to come into contact with alcohol-based materials or solvents.
- MasterSeal NP 150 Tint Base should not be applied adjacent to other uncured sealants and certain petroleum based products.

- MasterSeal NP 150 Tint Base can adhere to other residual sealants in restoration applications. For best results, always clean the joint as advised in the Surface Preparation section of this data guide. A product field adhesion test for MasterSeal NP 150 Tint Base within the specific application is always recommended to confirm adhesion and suitability of the application.
- MasterSeal NP 150 Tint Base should not be used for continuous immersion in water. Contact Technical Services for recommendations.
- Do not apply over freshly treated wood. Allow six months for weathering.
- Do not use MasterSeal P 179 on nonporous surfaces such as aluminum, steel, vinyl, or Kynar 500 based paints. Use MasterSeal P 173 on coated metals when testing dictates.
- Lower temperatures and humidity will extend curing times.
- MasterSeal NP 150 Tint Base can be painted over after a thin film or skin forms on the surface.
- Pursuant to accepted industry standards and practices, using rigid paints and/or coatings over flexible sealants can result in a loss of adhesion of the applied paint and/or coating, due to the potential movement of the sealant. However, should painting and/or coating be desired it is required that the applicator of the paint and/or coating conduct on-site testing to determine compatibility and adhesion.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbcsst@basf.com or calling 1(800)433-9517. Use only as directed.

**For medical emergencies only,
call ChemTrec® 1(800)424-9300.**

LIMITED WARRANTY NOTICE

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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