

Molok North America Ltd.
Master Specification Template
Molok [M5000] [M3000] [M1300]

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Master Specification

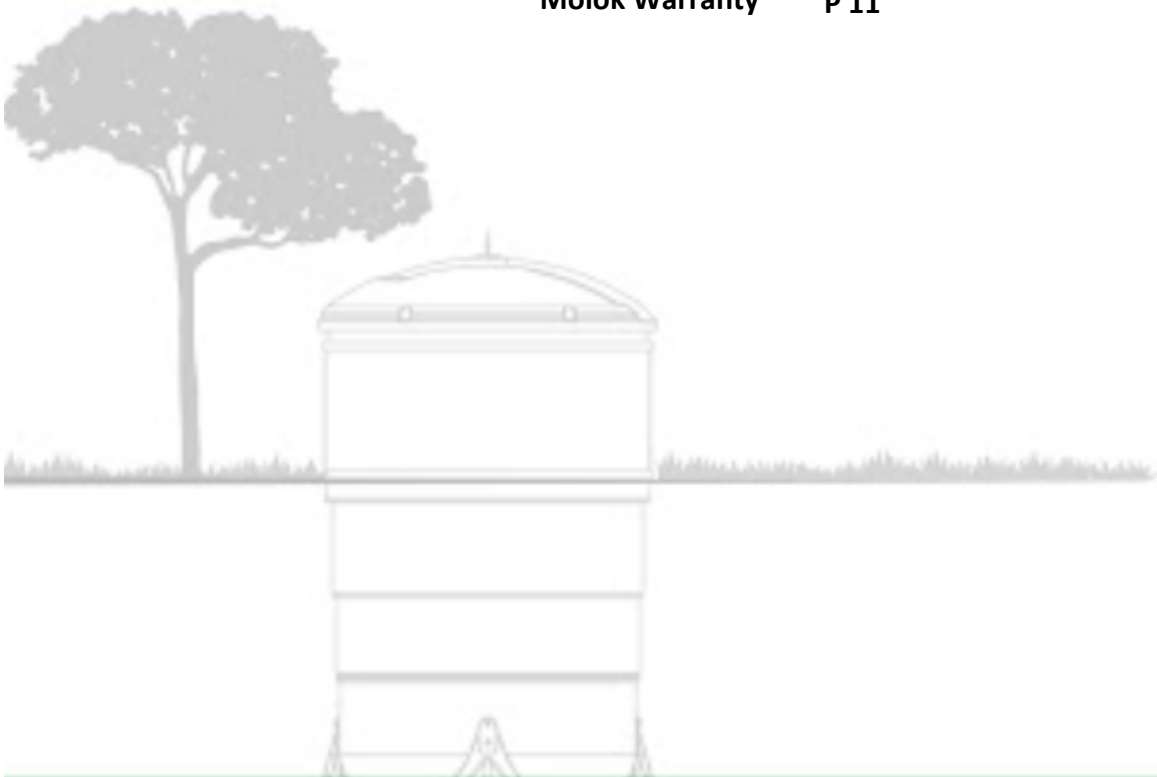
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Molok North America Ltd – Master Specification Template

152 Harry Bye Blvd – Mount Forest, Ontario, N0G 2L0

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SPECIFIER: Revise section title for consistency with the project specification document naming convention.

< Section >

Master Specification Template Molok [M5000] [M3000] [M1300]

PART 1 - GENERAL

1.1 SUMMARY

SPECIFIER: Revise subparagraphs below to suit project requirements.

- A. Section Includes:
 - a. Molok [M5000] [M3000] [M1300] semi-underground, crane-emptied waste container.
 - b. Bedding and cover materials.
 - c. Installation materials.
- B. Related Requirements
 - a. Manufacturer's shop drawings.

SPECIFIER: Revise section numbers and titles in subparagraphs below per project document naming requirements.

- b. Section 03 30 00 - Cast-in-Place Concrete: Molok container anchor base.
- c. Section 31 05 16 - Aggregates for Earthwork: Bedding fill type.
- d. Section 31 23 16 - Excavation: Excavation requirements for Molok container.
- e. Section 31 23 23 - Fill: Backfilling after Molok container installation.

1.2 PRICE AND PAYMENT PROCEDURES

- A. Payment:

SPECIFIER: Use the project PO from Molok for payment details when applicable.

- a. Total price. < _____ >
- b. Refer to Section 01 20 00 - Price and Payment Procedures for measurement and payment details.

1.3 REFERENCES

- A. Definitions:
 - a. Bedding: Specialized material placed under Molok container prior to subsequent backfill operations.

SPECIFIER: List ONLY those standards referenced in this Section. Use care when indicating the edition date of the referenced standards; these standards are subject to regular review, and updated accordingly, including their titles. Reference applicable standards from the governing bodies in the project region.

- B. Reference Standards:
 - a. Occupational Health and Safety Laws, Act, R.S.O. 1990.
 - b. Building Code Laws, 3.4.7.6: Guards and Railings.



- c. Construction Specifications for Compacting - OPSS.PROV 501.
- d. Construction Specifications for Excavating and Backfilling - Structures - OPSS.PROV 902.
- e. Accessibility Standards CAN-ASC-2.3-5: Paths of Travel.
- f. Sealed Container Standards: Ensure compliance with wastewater containment.

1.4 COORDINATION

- A. For delivery of unit to site refer to PO.
- B. Delivery coordination is to be handled by the client. A list of pre-approved Molok installers is available upon request.

1.5 QUALITY ASSURANCE

SPECIFIER: Revise section below per project requirements.

- A. Perform work in accordance with Molok North America product standards.
- B. Regulatory Requirements: Conform to [applicable] <____> code for <____>
- C. Certifications: Where applicable obtain certificate of compliance from [authority having jurisdiction] <____> indicating approval of <____>.
- D. Container meets quality assurance requirements from the manufacturer.

1.6 QUALIFICATIONS

- A. Installer: It is recommended to use a Molok North America recommended installer or an approved equivalent.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Product Requirements: Requirements for transporting, handling, storing, and protecting products.
 - a. Transportation: Falls on the client to handle delivery logistics, arranged at time of PO.
 - b. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.
 - c. Storage:
 - 1. Store Molok containers in an upright position
 - 2. Strapped to an immovable object when possible
 - 3. Never lay the container on its side.
 - 4. Cover container to keep out rain/ contaminants. If not covered then vacuum remove all water prior to moving the container.
- B. Take precautions to prevent damage to interior or exterior surfaces when handling

1.8 EXISTING CONDITIONS

SPECIFIER: Installer shall verify that the existing conditions of the site is acceptable for installation prior to commencing works.

- A. Field Measurements:
 - a. Verify clearances to permanent structures, overhead hydro lines, underground services, and any other encumbering obstacles
 - b. Verify that the unit meets plus or minus 19.05mm (¾") tolerance for diameter of the upper ring prior to backfilling.
 - c. Indicate field measurements on Shop Drawings.



PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
 - Molok North America
 - 152 Harry Bye Blvd
 - Mount Forest, ON N0G 2L0

 - (519)323-9909 (Office)
 - (519)323-9910 (fax)
 - Email: molok@molokna.com
 - <https://molokna.com>
- B. Product Description: The Molok crane-lifted semi-inground garbage container features a rotationally molded plastic well, an internal lifting bag for efficient crane-based emptying, a heavy-duty main cover lid, and a user-friendly filling lid, ensuring durability and ease of use.

2.2 INSTALLATION MATERIALS

- A. Bedding: Granular A material.
- B. Anchoring Pad: Cast-in-place concrete (25 MPa or higher).
- C. Backfill: Granular A material
- D. Finish material as specified (e.g., grass, aggregate, concrete).

SPECIFIER: Finish material around the Molok container is to be placed over top of the specified backfill up to the (depth line marked on the container). The finish material is to be specified by the architect or engineer.

- a. Permeable
 - 1. Grass
 - 2. Aggregate
 - 3. Mulch
- b. Impermeable
 - a. Concrete
 - b. Asphalt

2.3 MANUFACTURER MATERIALS & COMPONENTS

- A. Container: Rotation-moulded of UV-stabilized virgin MDPE with a minimum yield strength of 19.4 MPa.
- B. Lifted Bag: Polypropylene woven with structural integrity. Safe working load certified and labeled under ISO 21898.
- C. Anchor Feet: MDPE.
- D. Lid: Thermoformed HDPE.

2.4 SUSTAINABLE DESIGN

- A. Material and Resource Characteristics:
 - a. Recyclable Content: Molok® containers are crafted from high-quality stainless steel, aluminum and plastic, making them fully recyclable.



PART 3 - EXECUTION

SPECIFIER: Revise section numbers and titles in subparagraphs below per project document naming requirements.

3.1 EXAMINATION

- A. Verify existing site conditions before commencing work.
- B. Ensure the area is clear of overhead obstructions, and that below grade services and utilities meet local tolerances for proximity to below grade portions of the containers.
- C. Report conditions contrary to contract requirements that would prevent installation.

3.2 PREPARATION

- A. Avoid interference with adjacent utilities or structures.
- B. Ensure compliance with local electrical provider setbacks.

3.3 INSTALLATION

- A. Preparation:
- B. Use the provided anchors and hardware to install the anchor feet (M5000, M3000). Tighten anchors to 18 ft-lb (24.4 Nm). The M1300 model features built-in anchor flanges at the base and does not require additional anchoring.
- C. Excavation:
 - a. Excavate as per Section 31 23 16 to the required depth and dimensions.
 - b. Prevent water accumulation; ensure the dry placement of the container.
- D. Bedding: Compact minimum 150mm granular A material to 95% Standard Proctor Maximum Dry Density (SPMDD).
- E. Lift the container into the installation pit using the install lifting loops with minimum 1.5m long tethers. Ensure there is no water in the container from sitting outside as it will damage the upper ring when the container is lifted.
- F. Verify that the container is straight, level, and that the sign faces forward. For multiple containers, ensure the top rings are evenly aligned. Adjust the base with packed gravel as needed. For installations on sloped sites, contact the manufacturer for specific installation details.
- G. Ensure the upper ring is in-round within $\pm\frac{3}{4}$ " before backfilling. Call Molok North America Ltd. at 1-877-558-5576 if out of tolerance.
- H. Pour a minimum 300mm layer of 25 MPa concrete around the base, ensuring the anchor feet (M5000, M3000) or anchor flange (M1300) are fully encased. Allow the concrete to set before backfilling. Ensure the containers remain straight and level during the process.
- I. Backfill above the concrete with suitable ballast like granular 'A' or approved soil. Avoid clay, silt, or freezing materials. Remove stones over 100mm. Compact every 200mm, checking for in-round shape.
- J. Slope the finishing layer 3% away from the container. Use fine gravel, asphalt, or topsoil. Ensure it meets the marked height on the container front.

3.4 FIELD QUALITY CONTROL

- A. Conduct field inspections and tests as per Section 01 40 00.

END OF SECTION



Outdoor Waste and Recycling Container

A BETTER WAY TO MANAGE WASTE THAT IS ISO SAFE CERTIFIED AND CANADIAN MADE

M-5000

Capacity: 5,000 L / 6.5 yd³



About Molok North America

For over 25 years, Molok North America has been a pioneer in semi-underground, crane-lifted waste and recycling containment, proudly operating from rural Canada.

The Molok® Deep Collection™ system serves North America, offering a semi-underground solution that meets waste management needs without compromising aesthetics, outdoor amenities, or building space. Its crane-lifted design saves space, enabling more buildable areas, parking, or landscaping.

With durable composite cladding, Molok® containers blend seamlessly into designs, enhancing safety and usability while promoting waste diversion. They also deliver long-term cost savings by reducing waste management expenses.

Trusted in over 45 countries, Molok® sets the global standard for sustainable waste collection.

To learn more, please visit www.molokna.com

Features

- Canadian made
- Manufactured from stainless steel, aluminum, and plastic - designed to last decades.
- Lifting bag is certified with a safe working load tested according to ISO 21898
- Custom design decorative framing available
- Complies with Canadian accessibility standards for users of all ages and abilities
- SMART Services available for user access management and level measurement

Specifications

- Model Number: M5000
- Capacity: 6.5 cubic yards
- Main Lid Colour: Black
Filling Lid Colours: Black, Blue

Outdoor Waste and Recycling Container

A BETTER WAY TO MANAGE WASTE THAT IS ISO SAFE CERTIFIED AND CANADIAN MADE

M-5000

Capacity: 5,000 L / 6.5 yd³

Signage / Use:

- ☐ Garbage
- ☐ Recycling
- ☐ Cardboard
- ☐ Quick System (standard lid only)

Lid Type:

- ☐ Standard
- ☐ Bear lid
- ☐ Hinge

User Opening:

- ☐ Standard (full opening 54cm diameter by default)
- ☐ SMRT Molok

User Lid Colour:

- ☐ Black (shown)
- ☐ Blue

Lifting Bags and Containers:

- ☐ Regular lifting bag
- ☐ Semi-hard lifting bag

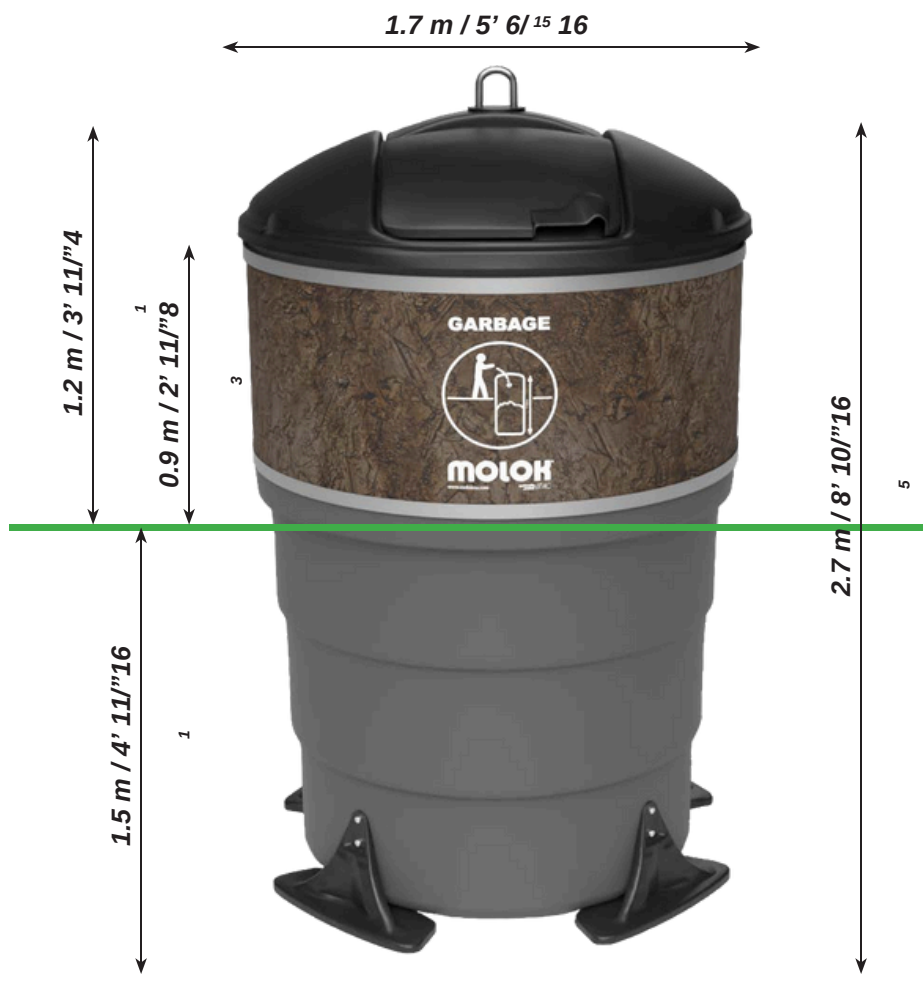
Framing:

Standard

- ☐ Matte Black
- ☐ Matte Brown
- ☐ Brushed Aluminum

Premium

- ☐ Evolution Ebony
- ☐ Evolution Dark Roast (shown)
- ☐ Evolution Ivory
- ☐ Retro Grey Stucco
- ☐ Vintage Brick
- ☐ Old School Mix
- ☐ Urban Loft
- ☐ Stacked Ledge Rock
- ☐ Walnut Plank
- ☐ White Washed Plank
- ☐ Mocha Slate
- ☐ White Herringbone
- ☐ Custom



Outdoor Waste and Recycling Container

A BETTER WAY TO MANAGE WASTE THAT IS ISO SAFE CERTIFIED AND CANADIAN MADE

M-3000

Capacity: 3,000 L / 4.0 yd³



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The Molok® Deep Collection™ system serves North America, offering a semi-underground solution that meets waste management needs without compromising aesthetics, outdoor amenities, or building space. Its crane-lifted design saves space, enabling more buildable areas, parking, or landscaping.

With durable composite cladding, Molok® containers blend seamlessly into designs, enhancing safety and usability while promoting waste diversion. They also deliver long-term cost savings by reducing waste management expenses.

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Features

- Canadian made
- Manufactured from stainless steel, aluminum, and plastic - designed to last decades.
- Lifting bag is certified with a safe working load tested according to ISO 21898
- Custom design decorative framing available
- Complies with Canadian accessibility standards for users of all ages and abilities
- SMART Services available for user access management and level measurement

Specifications

- Model Number: M3000
- Capacity: 4.0 cubic yards
- Main Lid Colour: Black
Filling Lid Colours: Black, Blue, Brown

Outdoor Waste and Recycling Container

A BETTER WAY TO MANAGE WASTE THAT IS ISO SAFE CERTIFIED AND CANADIAN MADE

M-3000

Capacity: 3,000 L / 4.0 yd³

Signage / Use:

- ☐ Garbage
- ☐ Recycling
- ☐ Cardboard
- ☐ Organics

- ☐ Quick System (standard lid only)

Lid Type:

- ☐ Standard
- ☐ Bear lid
- ☐ Hinge

User Opening:

- ☐ Standard (full opening 54cm diameter by default)
- ☐ SMART Molok

User Lid Colour:

- ☐ Black (shown)
- ☐ Blue
- ☐ Brown

Lifting Bags and Containers:

- ☐ Regular lifting bag
- ☐ Semi-hard lifting bag
- ☐ Hard-sided lifting container

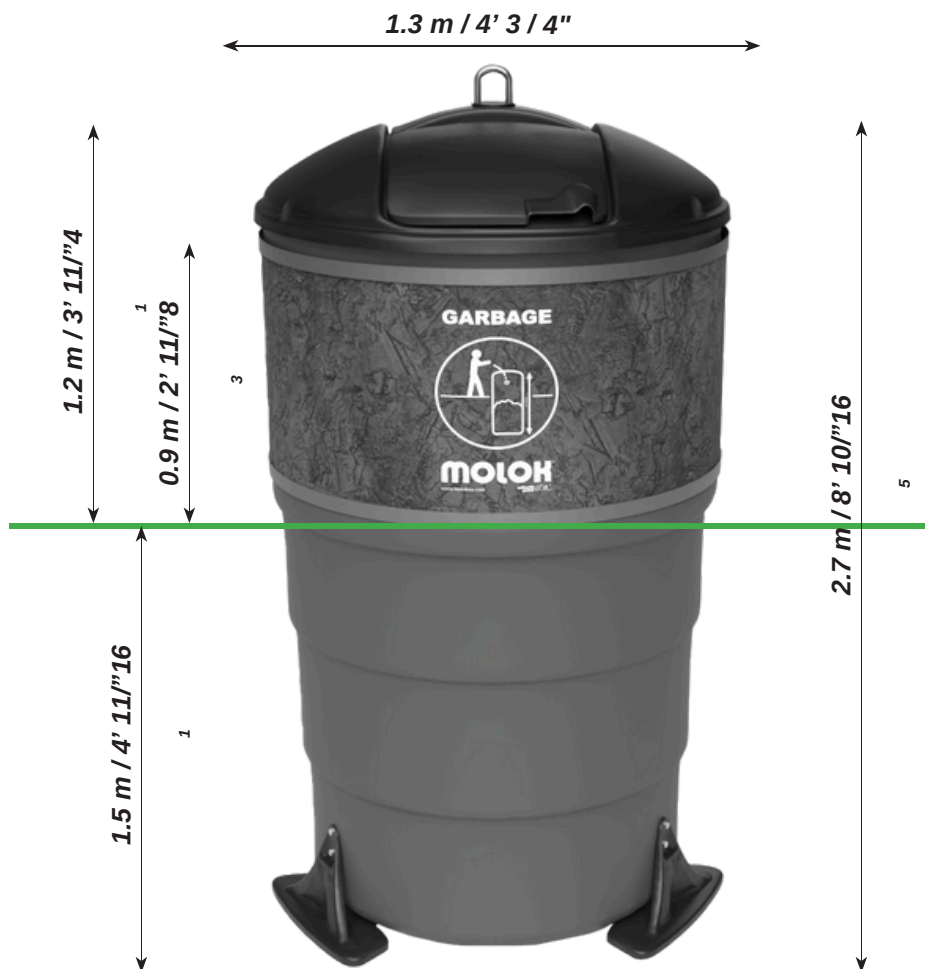
Framing:

Standard

- ☐ Matte Black
- ☐ Matte Brown
- ☐ Brushed Aluminum

Premium

- ☐ Evolution Ebony (shown)
- ☐ Evolution Dark Roast
- ☐ Evolution Ivory
- ☐ Retro Grey Stucco
- ☐ Vintage Brick
- ☐ Old School Mix
- ☐ Urban Loft
- ☐ Stacked Ledge Rock
- ☐ Walnut Plank
- ☐ White Washed Plank
- ☐ Mocha Slate
- ☐ White Herringbone
- ☐ Custom



Outdoor Waste and Recycling Container

A BETTER WAY TO MANAGE WASTE THAT IS ISO SAFE CERTIFIED AND CANADIAN MADE

M-1300

Capacity: 1,300 L / 1.7 yd³



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Features

- Canadian made
- Manufactured from stainless steel, aluminum, and plastic - designed to last decades.
- Lifting bag is certified with a safe working load tested according to ISO 21898
- Custom design decorative framing available
- Complies with Canadian accessibility standards for users of all ages and abilities
- SMART Services available for user access management and level measurement

Specifications

- Model Number: M1300
- Capacity: 1.7 cubic yards
- Main Lid Colour: Black
Filling Lid Colours: Black, Brown, Green

Outdoor Waste and Recycling Container

A BETTER WAY TO MANAGE WASTE THAT IS ISO SAFE CERTIFIED AND CANADIAN MADE

M-1300

Capacity: 1,300 L / 1.7 yd³

Signage / Use:

- ☐ Garbage
- ☐ Recycling
- ☐ Cardboard
- ☐ Organics
- ☐ Glass

Lid Type:

- ☐ Standard
- ☐ Bear lid
- ☐ Hinge

User Opening:

- ☐ Standard (full opening 29.5cm diameter by default)
- ☐ SMART Molok

User Lid Colour:

- ☐ Black (shown)
- ☐ Brown
- ☐ Green

Lifting Bags and Containers:

- ☐ Regular lifting bag
- ☐ Hard-sided lifting container

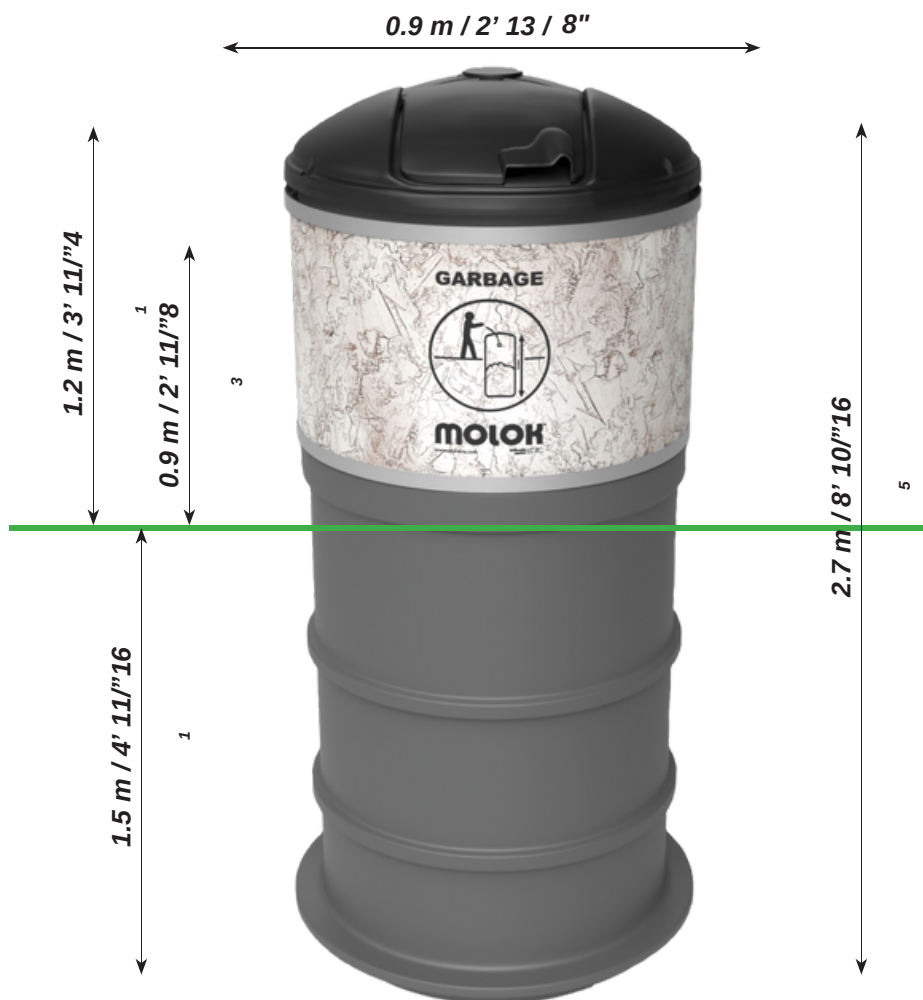
Framing:

Standard

- ☐ Matte Black
- ☐ Matte Brown
- ☐ Brushed Aluminum

Premium

- ☐ Evolution Ebony
- ☐ Evolution Dark Roast
- ☐ Evolution Ivory (shown)
- ☐ Retro Grey Stucco
- ☐ Vintage Brick
- ☐ Old School Mix
- ☐ Urban Loft
- ☐ Stacked Ledge Rock
- ☐ Walnut Plank
- ☐ White Washed Plank
- ☐ Mocha Slate
- ☐ White Herringbone
- ☐ Custom



Molok North America Ltd.

Warranty Certificate

MOLOK North America Ltd. ("MOLOK") warrants that the MOLOK Product is free from manufacturers defects in material and workmanship under normal use.

WARRANTY PERIOD

The warranty period is two (2) years for the lifting bag and lid, and ten (10) years for the main well, effective from the date of delivery.

CONTENTS OF THE WARRANTY

MOLOK shall, at its sole discretion, have the option of repairing or replacing the relevant part or parts free of charge and supplying them to the purchaser. The provisions of this warranty constitute the sole and exclusive remedy available to the purchaser with regard to said defective MOLOK Products.

In no event shall the warranty period for any MOLOK Products, including repaired or replaced parts, extend beyond the original warranty period stated above.

The defective parts which have been replaced shall be made available to MOLOK and shall be the property of MOLOK. In no event shall the purchaser have a right to return the MOLOK Product without the prior written consent of MOLOK.

RESTRICTIONS OF WARRANTY

This warranty has been given provided that the MOLOK Product is used in its normal intended use and that due care and compliance with the instructions given by MOLOK are observed. The obligations of MOLOK have been restricted to these warranty terms and conditions and the warranty thus does not cover losses incurred as a result of damage to other property or persons.

The warranty does not cover defects which are the result of:

- transportation of the MOLOK Product;
- negligence by the user of the MOLOK Product or failure to observe the instructions given by MOLOK or proper care;
- circumstances outside the control of MOLOK, such as theft, fire, accidents or acts of vandalism;
- failure to observe the installation or operating instructions, or other failure, when installing, placing or emptying the MOLOK Product; and
- normal wear and tear.

The warranty does not cover defects which are insignificant to the use of the MOLOK Product, such as repair of superficial scratches.

PROCEDURE IN CASE OF A DEFECT

The purchaser shall inform MOLOK in writing without delay, and in any event, within seven (7) calendar days of purchaser being put on notice of the defect. The writing shall include the following information: (1) the product in question (model, serial number), (2) specification of the defect as accurately as possible, and (3) the circumstances in which the defect was detected and/or appears.

If the purchaser has given notice of the defect mentioned above and no defect is found for which MOLOK is liable, MOLOK shall be entitled to compensation for the costs it has incurred as a result of the notice of the defect.

Authorized Signature

Position

Print Name

Date