

MASTERTOP® APS® 2001

Clear primer

DESCRIPTION:

MASTERTOP® APS® 2001 clear primer is a unique hybrid polymer blend of rapid curing resins. It is a primer for the MASTERTOP APS 2000 floor systems identified in the following list. MASTERTOP APS 2001 primer has good chemical resistance, cures quickly and has minimal odor during placement and/or curing.

The hybrid polymer used in MASTERTOP APS 2001 primer provides unique curing capabilities that can significantly reduce customer downtime and contractor labor costs. The system is designed for commercial, industrial and high traffic applications. MASTERTOP APS 2001 primer contains no solvents, has zero volatile organic compounds (VOCs) and is non-flammable, non-combustible and non-corrosive - according to Department of Transportation (DOT) specifications.

USED WITH THE FOLLOWING SYSTEMS:

- MASTERTOP APS 2010
- MASTERTOP APS 2011
- MASTERTOP APS 2020
- MASTERTOP APS 2021
- MASTERTOP APS 2022
- MASTERTOP APS 2041
- MASTERTOP APS 2046

FEATURES/BENEFITS:

- Fast cure rates.
- Low odor allows installation in occupied facilities.
- Non-flammable (*per DOT*)
- Non-combustible (*per DOT*)
- Non-corrosive (*per DOT*)
- Solvent free / 100% solids
- Fast installation rates

TECHNICAL DATA:

Volatile Organic Compounds (VOCs)

0 lbs/gal (0 gm/litre)

Tensile Strength

ASTM D 638 5,000 to 8,000 psi (34 to 54 MPa)

Flexural Strength

ASTM D 790 16,500 to 17,500 psi (113 to 120 MPa)

Water Absorption

ASTM C 413 .41%

Tensile Elongation

ASTM D 638 5.8%

Impact Resistance

Gardner Direct Greater than 160 in/lb

Hardness, Shore D

ASTM D 2240 70 to 80 (after 7 days)

Compressive Strength

ASTM C 109 1 Day: 8,000 psi; 7 Days: 10,000 psi
(55 MPa) (69 MPa)

Bond Adhesion Strength

>350 psi (4,000 psi concrete)

Coefficient of

Thermal Expansion

ASTM C 531 8.76×10^{-5} in/in/°F

Chemical Resistance

Consult your local Master Builders representative.

Shelf Life

6 months if stored in original unopened container at 50°F to 70°F (10°C to 21°C).

GENERAL INFORMATION:

MASTERTOP APS 2001 COMPONENTS

Available in clear only.

- Part A: Hybrid Polymer #2
- Part B: Activator #2

COLORS

MASTERTOP APS 2001 primer is available in clear only.

MIXED MATERIAL @ 72°F (22°C)

Working time: 15 to 20 minutes

Cure time for foot traffic: 4 to 6 hours

Cure time for vehicle traffic: 24 hours

NOTE

Working time decreases with increasing temperature.

ESTIMATING:

MASTERTOP APS Hybrid Polymer #2/Part A

Part A: .62 gal (2.35 litre)

Packaging: Short filled 2.6 gal (9.85 litre) plastic can

MASTERTOP APS Activator #2/Part B

Part B: .31 gal (1.17 litre)

Packaging: .5 gal (1.9 litre) plastic bottle

MASTERTOP APS 2001 UNIT COVERAGE RATES

(Approximate) 125 to 175 ft²/unit (11.6 to 16.3 m²/unit)

SURFACE PREPARATION PROCEDURES:

Concrete must be thoroughly cured, free of oils, grease, dust, dirt, curing compounds and mold release agents. Grit blast, scarify or mechanically abrade substrate to remove laitance, loose material and surface contamination. Concrete substrate surface must be dry at time of application and throughout curing to ensure proper bond.

PRODUCT USAGE INSTRUCTIONS:

Primer Application (over concrete):

Stir MASTERTOP APS 2001 hybrid polymer and MASTERTOP APS 2001 activator separately prior to blending.

Mechanically mix MASTERTOP APS 2001 activator into MASTERTOP APS 2001 hybrid polymer and blend for 60 seconds. Immediately pour all material onto concrete surface and spread evenly using a spring steel trowel, roller or squeegee. Rollers should have a 3/16" or 1/4" (4.8 or 6.4 mm) nap. Allow primer to cure 30 to 60 minutes before proceeding with the next MASTERTOP APS installation step.

Note: This is a fast curing product that will react quicker in mass than in thin film. To maximize the working time of the material, it is recommended that once mixed all of the material be poured onto the floor as quickly as possible. The "dip and roll" application method used in other polymer floor applications is **NOT** recommended for MASTERTOP 2001. Pour all of the mixed material from the bucket in thin "ribbons" and then spread evenly on the surface using a spring steel trowel, roller or squeegee. Do not leave mixed material in bulk in the pail.

CLEAN UP:

Hand tools and power equipment can be cleaned with solvent-based cleaners.

LIMITATIONS:

- Surface and air temperature must be at least 50°F (10°C) during installation and initial cure.
- Material must be stored in a cool, dry area [50°F to 70°F (10°C to 21°C)], away from direct sunlight, flame or other hazards.
- Movement of sub-floor cracks may transmit through flooring.
- An effective vapor barrier is required beneath substrates in contact with ground.
- Adequate ventilation must be ensured (according to OSHA standards).

SAFETY PRECAUTIONS:

This product should only be used by qualified personnel for recommended applications in accordance with current, published installation guidelines. Please review MSDS sheets prior to placing any material and/or for specific product information.

Master Builders, Inc.

United States

23700 Chagrin Boulevard
Cleveland, Ohio 44122-5554
(800) MBT-9990
Fax (216) 831-6910

Canada

3637 Weston Road
Toronto, Ontario M9L 1W1
(800) 387-5862
Fax (416) 741-7925

Mexico

Blvd. M. Avila Camacho 80, 3er Piso
53390 Naucalpan, México
011-525-557-5544
Fax 011-525-395-7903