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Technical Data Guide

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Coatings for Concrete
and Masonry

MasterProtect® P 100

Clear, water-based, modified acrylic primer

FORMERLY THORO® PRIMER 1000

PACKAGING

5-gallon (18.9 L) pail

COLOR

Milky white liquid, dries clear

YIELD

300–375 sq.ft/gallon (7.5 – 10 m²/L).
Coverage will vary depending on
substrate texture and porosity.

STORAGE

Store in unopened containers in a
clean, dry area between 35 and 110°
F (2 and 43° C). Keep from freezing.

SHELF LIFE

18 months when properly stored

VOC CONTENT

Less than 100 g/L, less water and
exempt solvents.

DESCRIPTION

MasterProtect® P 100 is a clear, water-based, modified acrylic primer for use with MasterProtect® high-build coatings.

PRODUCT HIGHLIGHTS

- Consolidates weak, dusting substrates for improved adhesion and durability of MasterProtect acrylic coatings.
- Seals substrate to improve adhesion and workability of MasterProtect acrylic wall coatings.
- Breathable to allow water vapor to escape.
- Versatile application on a variety of substrates.
- VOC compliant for EPA and most regional jurisdictions.

APPLICATIONS

- Interior and exterior
- Vertical and overhead
- Above grade
- Surfaces that exhibit chalking after cleaning
- Surfaces to receive MasterProtect acrylic wall coatings

SUBSTRATES

- Concrete
- Masonry
- Stucco
- Portland cement plaster
- Previously painted surfaces

HOW TO APPLY

SURFACE PREPARATION

1. Surfaces should be clean, sound and free of all bond-inhibiting contaminants.
2. Concrete substrates should be fully cured.
3. Point or seal all cracks or voids.

MIXING

Prior to use, mix at slow speed with drill and mixing paddle to ensure uniform color disbursement and to minimize air entrapment.

APPLICATION

ROLLER AND BRUSH APPLICATION

1. Apply MasterProtect® P 100 by brush or 1/2" (12 mm) nap roller.
2. Work material uniformly onto the wall, always maintaining a wet edge.
3. Apply evenly over the entire surface, producing a uniform film. Do not overwork the material.
4. Allow MasterProtect P 100 to completely dry before topcoating with the selected MasterProtect® acrylic coating.

SPRAY APPLICATION

1. Apply MasterProtect P 100 with the appropriate spray equipment. Contact equipment manufacturer for further recommendations.
2. Apply in one continuous application over the entire surface, producing an even, uniform film.
3. Maintain a wet edge during application.
4. Backrolling may be required.

DRYING TIME

- Times assume 70° F (21° C) and 50% relative humidity.
- To recoat: 2-4 hours
- Lower surface or air temperatures and higher relative humidity will extend the drying time.

CLEAN UP

Clean all tools and equipment with warm soapy water immediately after use. Cured material may be removed by mechanical means.

FOR BEST PERFORMANCE

- Do not apply when the temperature (substrate or ambient) is 40° F (4° C) or below or is expected to fall below 40° F (4° C) within 24 hours after application.
- Do not apply if rain is expected within 6 hours.
- Do not thin.
- Do not use as a primer for solvent-based coatings.
- Do not use as an admixture.
- MasterProtect® P 100 can consolidate a slightly weak or dusting surface. It is not intended to restore weak substrates to full service.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- 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.

Technical Data

Composition

MasterProtect P 100® is an acrylic co-polymer emulsion.

Test Data

LIQUID PROPERTY	RESULTS	TEST METHODS
Weight Per Gallon, lbs	8.0–8.8	ASTM D 1475
Solids By Weight, %	20.0	ASTM D 5201
Solids By Volume, %	18	ASTM D 5201

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

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 buildingsystems.basf.com, e-mailing your request to basfbcst@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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