

MasterProtect® FL 746 / FL 748

Acrylic patching compounds for use with acrylic wall coatings

FORMERLY SONOCOAT® PATCHING COMPOUNDS 746 AND 748

PACKAGING

1-gallon (3.8 L) cans
5-gallon (18.9 L) pails

YIELD

Yield is variable and depends on job conditions.

STORAGE

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

SHELF LIFE

18 months when properly stored.

VOC CONTENT

54 g/L, less water and exempt solvents.

DESCRIPTION

MasterProtect® FL 746 and MasterProtect® FL 748 are 100% acrylic-emulsion repair materials for stucco, brick, and concrete prior to application of MasterProtect® acrylic wall coatings.

MasterProtect FL 746: Knife grade, textured

MasterProtect FL 748: Knife grade, smooth

PRODUCT HIGHLIGHTS

- Long-lasting flexibility provides durable crack-bridging
- 100% acrylic resin for superior adhesion to concrete, masonry, and other surfaces
- Fungus and mildew resistant for damp, humid climates
- Smooth and textured finishes meet varied design applications

APPLICATIONS

- Interior and exterior
- Vertical surfaces
- Fill voids in substrates
- Provide smooth surface for coating application

SUBSTRATES

- Block
- Brick
- Concrete
- Stucco

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. Apply MasterProtect® P 100 Primer to previously coated, dusty, or chalky surfaces before applying MasterProtect® FL 746 or FL 748.

APPLICATION

1. For small cracks up to 1/16" (1.6 mm) in width, apply patching compound using a small, damp sponge with slight hand pressure to fill the crack.
2. For larger static (non-moving) cracks 1/16 – 1/4" (1.6 to 6 mm) in width, rout out the crack to 1/4 by 1/4" (6 by 6 mm). Fill with Patching Compound using a putty knife or bulk caulking gun, then float with a trowel to remove excess from edges. Allow to dry a minimum of 4 hours. Apply a second lift and allow to dry a minimum of 12 hours prior to covering with a MasterProtect® high-build acrylic wall coating.
3. Dynamic or moving cracks 1/4 by 1/4" (6 by 6 mm) should be treated as expansion joints, and caulked with the appropriate MasterSeal® sealant. Allow sealant to cure and proceed with crack repair as described above.
4. Anywhere stucco has been replaced, treat the area where the new stucco meets the old as a small crack, using the above method.

CLEAN UP

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

DRYING TIME

- Times assume 70° F (21° C) and 50% relative humidity.
- Dry-to-touch: 4-6 hours
- Recoat time: 12 hours minimum
- Lower surface or air temperatures and higher relative humidity will extend the drying time.
- If topcoating is delayed, ensure that patching compound is clean and free of dust, other contaminants and stains when work resumes.

FOR BEST PERFORMANCE

- Not intended for use as a finish coat.
- Do not apply when 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 24 hours.
- Do not thin.
- Avoid application to uncapped or unsealed walls subject to heavy rains.
- Do not apply over moving cracks, control joints, or expansion joints.
- 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 Master Builders Solutions 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 FL 746 and FL 748 are 100% acrylic emulsions.

Typical Properties

MASTERPROTECT FL 746 AND FL 748

PROPERTY	VALUE
Weight, lbs/gal (kg/L)	11.0 (1.32)
Solids, %	
By weight	70 – 75
By volume	50 – 54
Viscosity, cps	120,000 – 140,000
Elongation, %	300
Fungus and Mildew Resistant	Yes

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

SURFACE PREPARATION

1. All surfaces to be treated must be free of oils, dirt, dust, mildew, and chalk.
2. Apply MasterProtect P 100 to previously coated, dusty, or chalky surfaces before applying MasterProtect FL 746 or FL 748.
3. Rout dynamic or moving cracks 1/4" by 1/4" (6 by 6 mm), then fill with the appropriate MasterSeal sealant. Tool, allow to cure, and proceed with crack repair as described above.
4. Anywhere stucco has been replaced, treat the area where the new stucco meets the old as a small crack, using the above method.

APPLICATION

1. For small cracks up to 1/16" (1.6 mm) in width, apply MasterProtect FL 746 or FL 748, using a small, damp sponge with slight hand pressure to fill the crack.
2. For larger cracks 1/16" – 1/4" (1.6 to 6 mm) in width, rout out the crack to 1/4" by 1/4" (6 by 6 mm). Fill with MasterProtect FL 746 or FL 748 by knifing or gunning followed by floating to remove excess from edges. Allow to dry a minimum of 4 hours. Apply a second lift and allow to dry 24 hours prior to applying the appropriate coating.
5. MasterProtect FL 746 or FL 748 dry to touch in 2-4 hours, depending on temperature and relative humidity. Allow MasterProtect FL 746 or FL 748 to dry for 24-48 hours before overcoating.

CLEAN UP

Clean equipment with water immediately after use.

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.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

LIMITED WARRANTY NOTICE

Master Builders Solutions Construction Systems US, LLC ("Master Builders") 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. MASTER BUILDERS 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 shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Master Builders. 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. MASTER BUILDERS WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Master Builders' present knowledge and experience. However, Master Builders assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. Master Builders reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

FOR PROFESSIONAL USE ONLY. NOT FOR SALE TO OR USE BY THE GENERAL PUBLIC.