



CHAPCO® QDP PLUS

Quick-Set Deep Patch

PRODUCT DATA

1. PRODUCT NAME

CHAPCO® QDP PLUS Quick-Set Deep Patch

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800-552-6225 Office
chapco-adhesive.com

3. DESCRIPTION

CHAPCO® QDP PLUS Quick-Set Deep Patch is a cement-based underlayment designed specifically for deep fills, ramping, and leveling concrete and plywood subfloors (dry areas only) applied up to 1½" (38 mm) thick in a single application, up to 5" (12 cm) with proper aggregate. Can be applied with steel trowel, float and/or screed to produce a smooth, level surface. CHAPCO® QDP PLUS cures to a walkable surface in approximately 60 minutes.

Key Benefits and Features

- Calcium aluminate technology for rapid strength development
- Interior/exterior use (mix with CHAPCO® ADDITIVE for exterior use)
- Applied up to 1½"(38 mm) thick in a single application, up to 5" (12 cm) with proper aggregate
- Fast-set – allows for quick installation
- High bond and compressive strengths
- Provides smooth surface ready to accept flooring
- Self-drying formula

Packaging

25 lb. Plastic Bag (11.34 kg)
Product #70-5689-3069

Recommended Substrates

- Concrete
- Burnished concrete*
- Cement terrazzo
- Epoxy terrazzo*
- Epoxy coatings*
- Ceramic tile (including porcelain and quarry tile)*
- Exterior grade plywood, APA grade trademarked exterior plywood, C-C (plugged) or better (no additive needed)
- Gypsum substrates* -- minimum tensile bond strength 72 psi (0.5 MPa)

*Requires priming with CHAPCO MP Multi-Purpose Primer

Coverage

Thickness	Underlayment base-coat*	1/8" (3mm)	1/4" (6 mm)	1/2" (12 mm)	1" (25 mm)
Approx. Coverage per 25 lb. (11.34 kg) Bag	250-300 ft ² (23.2-27.9 m ²)	30-32 ft ² (2.8 - 3.0 m ²)	15-16 ft ² (1.4 - 1.5 m ²)	7-8 ft ² (0.65 - 0.74 m ²)	3.5-4 ft ² (0.33 - 0.37 m ²)

* Initial coat over primed, non-porous surfaces where 1/8" (3 mm) thick underlayment is required.

Storage/Shelf Life

Store in a cool dry area away from direct sunlight. Maximum shelf life is 3 years from date of manufacture in unopened bag.

Limitations

Do not apply when the temperature is at or expected to be below 50°F (10°C). Not for use in conditions of hydrostatic pressure or excessive moisture. Not recommended for use

as a wear surface. Not for use over sealed concrete, resilient flooring, strip wood flooring, tempered hardboard, particle board or lauan plywood.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about guidelines for the proper use and application of the covered CHAPCO® Products under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

CHAPCO® QDP PLUS	
Physical State	Dry powder
Color	Gray
28 Day Compressive Strength	4,200 psi
Working Time	15-20 minutes
Walkable Hardness	Approximately 60 minutes
Install Floor Covering*	1-1½ hours

*Flooring material installation is dependent on thickness, drying conditions and type of flooring.

5. INSTALLATION INSTRUCTIONS

Preparation of Surfaces

All surfaces must be structurally sound, dry and free from oil, grease, dust, loose or peeling paint, sealers, floor finishes, curing compounds or any contaminant that would prevent a good bond. **For installation over cutback adhesive, remove adhesive by scraping until all that remains is a thin transparent layer of adhesive residue.** Concrete and cementitious substrates must be fully cured and free of any hydrostatic pressure or excessive moisture. All surface protrusions must be removed by sanding, scraping or chipping. Minimum tensile bond strength of 72 psi (0.5 MPa) is required. Substrate temperature should be a minimum of 43°F (6°C) during application and air temperature maintained above 50° (10°C). DO NOT cover existing building expansion or control joints. Remove all dust by vacuuming. For surfaces that require priming, use CHAPCO® MP Multi-Purpose Primer per label instructions. Not recommended for use over expansion or control joints.

CHAPCO® QDP PLUS can be installed over new or moist concrete with RH of 99% or 15 lbs per 1,000 ft² per 24 hours. For moisture sensitive floor coverings refer to the finished floor manufacturer's specifications on moisture limitations. Remediation of excessive moisture conditions must be addressed prior to the installation of CHAPCO® QDP PLUS. This product is not a moisture vapor barrier. If substrate moisture content exceeds the maximum allowed by the flooring manufacturer, then moisture mitigation must be applied prior to application of CHAPCO® QDP PLUS. To reduce moisture vapor emissions to an acceptable level, use CHAPCO'S DEFENDER™ Moisture Vapor Barrier or CHAPCO® DEFENDER EZ™ Moisture Vapor Barrier (see product data sheet for details).

SURFACE PREPARATION



Mixing Instructions

Slowly add the entire bag of CHAPCO® QDP PLUS to appropriate volume of clean, cool water (see chart below) and mix with a high power drill (300 RPM). Avoid breathing dust and contact with eyes and skin. Mix thoroughly to a smooth, lump-free consistency. Smaller amounts may be hand mixed, 3½ parts CHAPCO® QDP PLUS to 1 part water.

Application	Mixing water per 25 lbs. (11.34 kg) bag
Deep Fill/Trenches	2.25 quarts (2.1 L)
Ramping/Screeding	2.5 – 2.75 quarts (2.4-2.6 L)
Underlayment Base-coat*	3.0 quarts (2.8 L)

* Initial coat over primed, non-porous surfaces where 1/8" (3 mm) thick underlayment is required.

Application Instructions

Immediately after mixing, apply CHAPCO® QDP PLUS onto the flooring substrate. Using a trowel or screed, work the material into the substrate and then finish with a steel trowel to a smooth level surface. Working time is approximately 15-20 minutes, depending on ambient temperature and relative humidity. High temperatures and low humidity will shorten working time. CHAPCO® QDP PLUS can be applied up to 1½" (38 mm) depth in a single application. Pour up to 3" with two applications. Wait until walkable hardness between coats. Prime first coat, if waiting 6 hours or more. Up to 5" thickness may be placed with the addition of aggregate (well-graded, washed, and dried at 1/8" or 1/4"). To ensure proper bond, all aggregate and substrate must be completely coated with the underlayment mixture. Do not use sand. For further information, please contact your CHAPCO® representative.

Drying Time

CHAPCO® QDP PLUS achieves walkable hardness in approximately 60 minutes. Installation of most floor covering materials can be applied within 1 to 1½ hours. When hot, dry or windy weather conditions exist, CHAPCO® QDP PLUS should be protected to avoid rapid water loss during curing period. CHAPCO® QDP PLUS is cement-based, and all general rules of concrete work should be observed to achieve maximum results. Never use forced air to accelerate the drying of CHAPCO® cement-based products. For best results, always test performance of finished floor systems prior to application.

Clean-up

While material is still fresh, clean tools, hands and equipment with warm, soapy water.

6. AVAILABILITY AND COST

To locate a distributor in your area, please contact:

phone: 800-832-9002

website: chapco-adhesive.com

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit chapco-adhesive.com. To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable.

9. TECHNICAL ASSISTANCE

Information is available by calling the Technical Support Hotline:

Toll-free: 800-832-9023

Technical and Safety Literature:

To acquire technical and safety literature, please call 800-832-9023.

10. FILING SYSTEM

Division 3 - Concrete

Division 9 - Finishes



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