



CHAPCO® 350

Contractor Grade Self-Leveling Underlayment

VOC 0.
Product contains
25% pre-consumer
recycled material

PRODUCT DATA

1. PRODUCT NAME

CHAPCO® 350 Contractor Grade Self-Leveling Underlayment.

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® 350 is a pumpable/pourable cement based, self-leveling underlayment designed for use over a variety of substrates. The resulting smooth finished surface is ideal for the installation of all types of floor covering, including carpet, ceramic or natural stone tile, resilient, laminate flooring and wood flooring (for interior dry area use only).

Note: All surfaces must be primed with CHAPCO® MP Multi-Purpose Primer before installing CHAPCO® 350.

Product Features

- Calcium aluminate technology for rapid strength development
- Superior flow properties
- Use directly over green concrete [$<95\%$ RH or 15 lbs per 1,000 ft² (0.07 kg/m²) per 24 hours]
- Thickness ranges from 1/16" (1.6 mm) up to 1" (25 mm) depth in a single pour, up to 5" (12 cm) with proper aggregate
- Cures to a smooth, consistent finish
- Walkable in 4-6 hours, finished floor coverings can be applied in 3-5 days
- Contributes to LEED® project points
- 1-year limited warranty

Packaging

50 lb. Plastic Bag (22.68 kg)
Product # 7062093169

Coverage

Coverage shown is approximate.
Actual coverage may vary based on substrate conditions.

Thickness	1/8" (3 mm)	1/4" (6 mm)	1/2" (12 mm)	1" (24 mm)
Approximate Coverage per 50 lb. (22.68 kg) Bag	42-48 ft ² (3.9-4.5 m ²)	21-24 ft ² (2.0-2.2 m ²)	10-12 ft ² (0.9-1.1 m ²)	5-6 ft ² (0.5-0.6 m ²)

Recommended Substrates

- Concrete
- Ceramic or quarry tile (well-bonded)
- Exterior grade plywood
- Oriented Strand Board (OSB)

Storage/Shelf Life

Store in a cool dry area away from direct sunlight. Maximum shelf life is 1 year from date of manufacture in unopened package.

Limitations

For interior use only. Do not apply when the temperature is below 50°F (10°C). All surfaces must be primed with CHAPCO® MP Multi-Purpose Primer before application of underlayment. Not for use in conditions of hydrostatic pressure or excessive moisture [$>95\%$ RH or 15 lbs per 1,000 ft² (0.07 kg/m²) per 24 hours]. Do not use as a wear surface. Do not use over non-dimensionally stable substrates, such as gypsum and vinyl.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency call 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® brand product(s) 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

Performance	Test Standard	Typical Results
28 Day Compressive Strength	ASTM C109	4000 psi (27.3 MPa)
28 Day Flexural Strength	ASTM C580	700 psi (4.8 MPa)
Tensile Strength	ASTM C307	300 psi (2.1 MPa)
28 Day Shrinkage	ASTM C531 (Modified)	0.025 - 0.045%
Working Time	N/A	15-20 minutes
Walkable Hardness*	N/A	4-6 hours
Flooring Installation*	N/A	3 days: tile and stone 5 days: all other flooring
Ideal Slump Range**	N/A	11"-12" (27.9-30.4 cm)

*Flooring material installation in 3-5 days after application is dependent on thickness, drying conditions, and type of flooring.

**Ideal slump range is based in 2" (5 cm) diameter plastic/metal pipe by 4" (10 cm) high.

5. INSTALLATION INSTRUCTIONS

Preparation of Surfaces

It is required that all surfaces be structurally sound and free from any contaminants that may inhibit bond, including oil, grease, dust, loose or peeling paint, sealers, floor finishes, or curing compounds, etc. 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. Provide control joints where specified. Create 1/8" to 1/4" (3-6 mm) wide gaps where self-leveling underlayment abuts walls, columns, and fixtures by installing a self-sticking foam weather stripping tape or damp sand (vacuum up sand after self-leveling underlayment has cured). Plug all floor openings, gaps and cracks and install termination dams to prevent any seepage. **Surfaces must be primed with CHAPCO® MP Multi-Purpose Primer prior to installation of CHAPCO® 350.** See Primer label for application instructions.

CHAPCO® 350 can be installed over green concrete with RH of 95% or less. 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 CHAPCO® 350. To reduce moisture vapor emissions to an acceptable level, use CHAPCO'S DEFENDER™ Moisture Vapor Barrier (see product data sheet for details).

CHAPCO® 350 is not recommended for use over adhesives and/or residues.

Single Layer of Exterior Grade Plywood or Oriented Strand Board (OSB) with Lath: Wood subflooring must be securely fastened with screw type or ring shank nails and adhesive. Installations of exterior grade plywood or OSB (APA Rated Sturd-I-Floor OSB, Exposure 1 or better) require 3/4" (19 mm) single layer minimum thickness on bridged floor joists up to 24" (60 cm) on center, with a maximum deflection of L/360 of the span. Allow a gap of 1/8" to 1/4" (3-6 mm) between sheets of plywood or OSB. Long edges of subfloor must be tongue and groove or supported by bridging between floor joists. Use suitable CHAPCO® surface preparation products (CHAPCO® PATCH, CHAPCO® QDP PLUS, CHAPCO® SmoothFinish™) to plug all floor openings, gaps and cracks and install termination

SURFACE PREPARATION



CHAPCO® 350 CONTRACTOR GRADE SLU

PRODUCT DATA

dams to prevent any seepage. Prime the floor and allow it to dry to a clear film. Next, staple 1/4" (6 mm) galvanized diamond metal or plastic lath to the floor overlapping 2" (5 cm) at seams. Staple every 6" (15 cm) around the perimeter and overlaps, and every 8" (20 cm) in the field of the lath. Install CHAPCO® 350 based upon the following joist spacing in the table below:

Joist Spacing (o.c.)	Minimum SLU thickness with lath over single layer 3/4" (19 mm) tongue and groove subfloor
16" (40 cm) or less	3/8" (9 mm)
20" (50 cm) or less	1/2" (12 mm)
24" (60 cm) or less	5/8" (15 mm)

Mixing Instructions

Slowly add the entire bag of CHAPCO® 350 to 4-4.5 quarts (3.8-4.3 L) of clean, cool water and mix with a high power drill (650 RPM). Avoid breathing dust and contact with eyes and skin. Mix thoroughly for two (2) to three (3) minutes. Scrape container's sides and remix to ensure a smooth, lump-free consistency. CHAPCO® 350 can also be used in most pump equipment, please consult your CHAPCO® representative to verify equipment compatibility. A slump test should always be performed to ensure that the mix is homogenized and free from separation.

Application Instructions

Immediately after mixing, pour CHAPCO® 350 onto the primed substrate. Spread into place with a long-handled, gauged spreader or smoother covering all high spots on the floor. Working time is approximately 15-20 minutes, depending on ambient temperature and relative humidity of air. High temperatures and low humidity will shorten working time. CHAPCO® 350 can be applied from a 1/16" (1.6 mm) up to 1" (25 mm) depth in a single application. Up to 5" (12 cm) thickness may be poured with the addition of aggregate [well-graded, washed, dry pea gravel 1/8" (3 mm) or larger].

First mix the CHAPCO® 350 Self-Leveling Underlayment as instructed. During placement add equal parts of aggregate to mixed self-leveler by volume, mix until completely coated. 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® 350 dries to walkable hardness in 4 to 6 hours. Tile and stone floor coverings can be installed in 3 days and all other floor coverings can be installed in 5 days. CHAPCO® 350 is cement-based, and all general rules of concrete work should be observed to achieve maximum results. In hot, dry or drafty conditions protect the installation to avoid fast water loss while curing. Never use forced air to accelerate the drying of CHAPCO® self-leveling cements. For best results, always test performance of finished floor systems prior to installation.

Clean-up

While material is still fresh, wash 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. WARRANTY

H.B. Fuller Construction Products Inc. offers a limited warranty on this product when installed in accordance with H.B. Fuller Construction Products Inc. printed specifications. Ask your sales associate or call 8800-832-9002 for a copy of the limited warranty.

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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