

LEVELQUIK® RS RAPID SETTING SELF-LEVELING UNDERLAYMENT



Engineered with
CONTROLLED CURE
TECHNOLOGY™

- Apply from featheredge to 1" (2.5 cm) thick
- Eliminates bond failure and crumbling of resilient flooring
- Install ceramic tile in 4 hours — floor coverings in 14 hours
- Rated for use on wood subfloors with joists up to 24" (61 cm) o.c.

PRICE



PRODUCT DESCRIPTION

LevelQuik® RS levels interior and exterior floors prior to the installation of ceramic tile, natural stone, resilient flooring, carpet, wood and parquet. Can be applied up to 1" (2.5 cm) thick in one pour. Seeks its own level in minutes. ASTM C627 rated for ceramic tile installations over wood subfloors with joists up to 24" (61 cm) o.c. With proper installation of the flooring system, the use of LevelQuik® RS can achieve an "Extra Heavy" rating for extra heavy and high impact use in food plants, dairies, breweries and kitchens. Formulated with Controlled Cure Technology™, LevelQuik RS eliminates installation problems of bond failure, crumbling and staining of resilient flooring due to free-moisture found in traditional underlayments. LevelQuik RS cures ultra-fast and develops high early strength for quick installations.

AREAS OF USE

- Concrete
- Backerboards such as WonderBoard® and EasyBoard®
- Exterior grade plywood (interior) with joists up to 24" (61 cm) o.c.
- Ceramic tile, pavers, brick
- Stone
- Concrete terrazzo
- Sheet vinyl, VCT
- Cutback adhesive (non-water soluble)

USE UNDER THESE FLOOR COVERINGS

- Ceramic tile, pavers, brick
- Stone, terrazzo
- Carpet
- Wood, parquet

- VCT
- Sheet vinyl flooring
- Laminated flooring

LIMITATIONS

- Do not use over lightweight concrete, gypsum underlayment, OSB, particle board, hardwood floors, parquet floors, or metal.
- Do not use when the temperature is below 50° F (10° C) or on sloped surfaces that require drainage.
- Not meant for use as a wear surface.

SURFACE PREPARATION

General Surface Preparation:

All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent a good bond. Concrete must be fully cured and not subject to hydrostatic pressure. Concrete surfaces should accept water penetration. Smooth concrete surfaces, existing glazed tile, terrazzo, or polished stone should be roughened or scarified. Sheet vinyl must be well bonded and stripped of old finish.

Plywood Substrates:

Plywood flooring, including those under resilient flooring must be structurally sound and meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Technical Services. Installing self-furred plastic or metal lath is required over plywood subfloor installations including those covered with resilient flooring. Cut self-furred plastic or metal lath to size. Edges can be overlapped or tightly "butt-jointed" depending on the overall thickness of the installation. Be sure to offset lath joints. Hold plastic lath flat to the substrate and secure with staple fasteners or roofing nails. Use 1" (2.5 cm) crown galvanized staples (min. 5/8" [16 mm] leg) or 1" (2.5 cm) hot-dipped galvanized roofing nails fastened every 3" (7.6 cm) around the perimeter and 6" (15 cm) in the field. Staple fasteners should penetrate substrate a minimum of 3/8" (9.5 mm). Crown staples are



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BUILDING PRODUCTS

recommended as they will speed the installation. For a metal lath, fasten every 6" – 8" (15 – 20 cm) with fasteners that have a galvanized or corrosion-resistant coating. For 23/32" (18.2 mm) plywood subfloor with 24" (61 cm) o.c. joists, metal lath must be a minimum of 2.5 lbs./sq. yd. (1.13 kg /.83 M²).

Cutback Adhesive over Concrete:

Adhesive layers must be removed as they reduce mortar bond strength to cement surfaces. Use extreme caution as adhesives may contain asbestos fibers. Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. Adhesive residue must be wet-scraped to the finished surface of the concrete, leaving only the transparent staining from the glue. Do a test bond area first, to determine desirable results. Refer to the RFCI Pamphlet, "Recommended Work Practices for Removal of Resilient Floor Coverings" for further information.

Priming:

Prime all surfaces with LevelQuik® Latex Primer before application.

MIXING

Mix entire 50 lb. (22.68 kg) bag of powder with 6-1/2 quarts (6.1 L) of clean, cool water. Slowly add powder to water while mixing with a heavy-duty 1/2" (13 mm) electric drill and mixing paddle at 650 RPM. Thoroughly mix for 2 minutes to a lump-free consistency.

APPLICATION

Apply LevelQuik Primer with a paint brush, short nap roller or soft push broom. Apply a thin even coat and allow to dry to a clear film, about 2 hours. Pour or pump, then spread with a long-handled gauged spreader. Will seek its own level during the first 20 minutes. For featheredging and touch-ups, use a smoothing tool. Can be applied up to 1" (2.5 cm) thick in one application. If a second layer is required, install immediately after the first layer has set to a walkable hardness. If the first layer has dried over 12 hours, re-prime before second application. For installation on wood subfloors with joists up to 24" (61 cm) o.c., apply 1/2" (13 mm) thick layer of LevelQuik RS over 3/4" (19 mm) exterior grade plywood with self-furred plastic or metal lath installed.

CURING

Dries to a walkable hardness in 2 - 4 hours. 4 hours for ceramic tile and stone; 14 hours for impervious floor coverings. Drying time can vary with temperature and humidity. Test for moisture content before applying vinyl or wood flooring.

COVERAGE

50 sq. ft. per 50 lbs. (4.65 M²/22.68 kg) at 1/8" (3 mm) thickness.

CLEAN-UP

Clean with water before material dries.

STORAGE

6 months from date of manufacture in unopened package. Store in cool, dry location.

SAFETY

Contains Portland cement. Wear rubber gloves and eye protection. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes. Consult physician immediately. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

ORDERING INFORMATION

	ITEM CODE	SIZE	PACKAGE
USA	LQ50	50 lb. (22.68 kg)	Bag
Canada	CLQ50	50 lb. (22.68 kg)	Bag

TECHNICAL DATA

ASTM C627 rated for extra heavy use on wood subfloors with joists up to 24" (61 cm) o.c.

	LEVELQUIK® RS RAPID SETTING
Flow Time	10 minutes
Pot Life @ 70° F (21° C):	30 minutes
Initial Set, ASTM C191 @ 70° F (21° C)	90 minutes
Final Set, ASTM C191 @ 70° F (21° C)	3 1/2 hours
Walkable Hardness	2 - 4 hours (after final set)
Drying Time Before Covering Installation	4 hours — ceramic tile and stone 14 hours — impervious floor coverings
Compressive Strength, ASTM C109	
1 day cure	2400 psi (168.7 kg/cm ²)
28 day cure	4400 psi (309.3 kg/cm ²)
Flexural Strength, ASTM C109	
28 day cure	1100 psi (77 kg/cm ²)
Robinson-Type Floor Tester ASTM C627	Extra heavy rating

ADDITIONAL INFORMATION

TECHNICAL BULLETIN	CODE NUMBER
LevelQuik® RS Rated For Use On Plywood Subfloors	TB11

LIMITED WARRANTY

Custom Building Products ("Custom") warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's sole liability under this warranty shall be limited to the replacement of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's printed instructions. Custom makes no other warranties either express or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

