texrite™
a cemix solution

*LATEX BOND ADMIX 200 SOLD SEPARATELY

PRODUCT INFORMATION

screed 375 system

Trowelable underlayment, portland cement based leveler

SCREED 375 System is a self-curing, portland cement based, specialized aggregate and liquid latex floor leveling system designed for applications from 1/8" thickness to 1 1/2" thickness. A development of our own research laboratory, it is used for the deep leveling of concrete or other portland cement based substrates prior to the installation of resilient floor coverings, carpet and ceramic tile.

TEXTURE:
Free-flowing white liquid component and a non-sanded gray powder consisting of cement organic and inorganic chemicals.

COLORS:
Gray

PACKAGING:
1 gallon liquid and 50 lb powder, 5 gallon liquid and 5-50 lb powder, 55 gallon liquid and 55-50 lb powder.

BASIC USE
> **SCREED 375 System** is used on interior or exterior applications from a screed of 1/8" thickness to 1 1/2"(3-38 mm) thickness.

AREA OF USE
SCREED 375 System may be used as a wearing surface in areas which do not require high chemical resistance. Use it to fill or correct tilted, wavy, uneven surface or provide transition of low area to meet to higher floor height or decorative coverings. Use it to resurface severely scarred, rough concrete or use to fill isolated low spots or ponding depression. Surfaces can be walked on overnight within 20-24 hours. For pours or screeds greater than 1/2" (> 38 mm) thick, a two-pour procedure must be followed. When cured, the finished underlayment will have similar properties to concrete.

BENEFITS
> **SCREED 375 System** is a permanent, vibration resistant bond; high compressive strength, water, acid and alkali resistant.
> When properly mixed, the underlayment will not shrink when setting.
> Resists breakdown due to dampness and cures to a semi-resilient but very tough surface which will not check, crack or break-up. Like all concrete products, strength increases significantly during the initial 28 days.

LIMITATIONS
> **SCREED 375 System** must not be used over unsound surfaces, gypsum based surfaces, paints, particleboard, lauan plywood, plastics, old adhesive residue, vinyl products, waterproofing membranes, crack supression (flexible or soft), epoxy or urethane coverings.
> All applications without surface priming of undiluted LATEX BOND ADMIX 200 Liquid will void warranty.
> Do not use over substrates subject to hydrostatic pressure.
> This product is not affected by prolonged water contact but it does not form a water-proof barrier.

INTERIOR
FLOORS / WALLS

WEATHER
RESISTANT

> Use in temperature range of 40 ºF to 90 ºF. Do not allow mortar to freeze for the first 72 hours.

INSTALLATION:
PREPARATORY WORK
All surfaces to receive **SCREED 375 System** must be clean, dry, structurally sound, rigid and non-flexing and conform to proper building codes. Remove all dust, efflorescence, loose particles, sealers, curing compounds, oils, surface hardeners, paint, waterproofing or crack isolation compounds, chemically treated surfaces, cut back adhesive, old adhesives, foreign matter and other anti-adherents from surface. Cleaning may be accomplished via mechanical sanding, scraping, chipping or shot blasting.Failure to remove these items causes bond loss and voids product warranty. Roughen smooth, slick, steel troweled concrete. Remove all foreign matter and/or roughen surface by mechanical scarified or shot-blasted to prepare surface. Test surface for bond cleanliness by applying multiple droplets of clean water to the bond surface and observe absorption. These water droplets should quickly absorb and darken the surface to indicate a clean and bondable surface. If water droplets remain beaded or unabsorbed or partially absorbed, then the surface is not ready for application and contaminate removal will be required. Smooth steel troweled concrete must be acid-etched using a 10% muriatic acid wash. It is important that the acid sludge be thoroughly neutralized (with baking soda or TSP) and flushed from floor.

CEMENTITIOUS SUBSTRATES
Concrete surface must be fully cured and free of excessive moisture. All surfaces must first be primed or brush-coated with undiluted LATEX BOND ADMIX 200 Liquid. Evenly paint brush, paint roller or broom wet, undiluted LATEX BOND ADMIX 200 Liquid to surface. On porous concrete or rough texture surfaces, two primer coats may be required. Allow liquid prime coat to dry clear with no wet spots or become tacky before applying SCREED 375 underlayment system. Reapply more primer if first application is allowed to dry past 12 hours. Allow primed coat to become "tacky", then proceed with topping coat.

WOOD SURFACES
Installations over plywood are restricted to interior dry areas only. Prime the wood surface with undiluted LATEX BOND ADMIX 200 Liquid to surface. An approved plastic lath, painted or galvanized (corrosion resistant) metal lath must be nailed to plywood floors prior to installing **SCREED 375 System.** For patching or leveling wood surfaces, you may also use other Texrite's products such as Screed Patch 125, Featherite 125 fs, Flowrite 250 or Flowrite 250 fs following the instructions on the applicable data sheet. This product is NOT recommended for use over strip wood flooring.

EXPANSION JOINTS
Expansion joints, contraction joints (saw cuts), construction joints (cold joints) and structural cracks shall never be bridged over with **SCREED 375 System**. They should continue through the underlayment and the subsequent flooring material. Install expansion joints through the **SCREED 375 System** where it abuts restraining surfaces such as perimeter walls, dissimilar floors, curbs, columns and pipes. An architect or structural engineer must specify expansion joints and show location and details on drawings. Follow procedures EJ171 in the TCNA Handbook for ceramic tile and stone installation.

MIXING
Add one 50 lb (22.7 kg) bag of SCREED 375 to 1 gallon (3.7 liters) of LATEX BOND ADMIX 200 Liquid in a clean container. Mix with low speed (300 RPM) "open loop" design mixing wand/paddle unit a lump-free, soft paste mix is obtained. Always use the lowest amount of liquid to mix with the powder to retain high strength. Allow mix to slake (wait) approximately 5 to 10 minutes before use. Apply mixed underlayment with a steel trowel or screed within 30 minutes after mixing. Do not sprinkle with water after application.

APPLICATION
All surfaces must be primed or brush-coated with LATEX BOND ADMIX 200 Liquid. Allow prime coat to become "tacky" and clear or allow it to be dry to touch, then proceed with topping coat. Do not apply at temperatures below 40 ºF or in extremely hot weather exposed to direct sun. Pour the mix on the patching area and level out quickly. Area may be steel troweled to a smooth finish and upon reaching a hard set may be sanded to desired level and texture. Underlayment should be keyed in and troweled to the concrete floor, thus assuring good adhesion and bond. Always use the least amount of mixing liquid necessary to retain high strength. Multiple layers of underlayment shall require priming between pours with LATEX BOND ADMIX 200 Liquid and a minimum cure time of 20-24 hours is recommended before applying additional pours. Do not exceed three layers of application.

CLEANING
Water is all that is needed to remove uncured product.

COVERAGE
A 50 lb (22.7 kg) bag covers approximately 50-55 sq ft (4.6 - 5.1 m^2) at 1/8" (3 mm) thickness. Primer liquid covers approximately 200-300 sq ft per gallon (4.9 - 7.3 m^2/liter).

CURING
A minimum cure is obtained 20 - 24 hours, depending on ambient conditions. Do not allow mortar to freeze during the first 72 hours. Like concrete, the strength increases significantly with time during the first 28 days. Always check for permissible moisture levels of vinyl, carpet, rubber, wood flooring, etc. per flooring manufacturer's requirements before covering over this product. For exterior or wet applications use of this product, allow 14 day minimum air dry cure before full contact or continuous water immersion or submersion.

STORAGE LIFE
Liquid: One year.
Powder: One year if kept dry in sealed bag.
Protect liquid from freezing.

texrite™
a cemix solution

TECHNICAL DATA : SCREED 375 SYSTEM

Specification Tests		
IWorking time		30 min @ 70 ºF
Initial set		2 hours @ 70 ºF
Final set		8 hours @ 70 ºF
Compressive strength (ASTM C-109)		
7 days		3900 psi
28 days		4500 psi
Flexural strength (ASTM C-348)	28 days	1130 psi
Tensile strength (ASTM C-190)	28 days	630 psi
Bond strength (ASTM D-3931)	28 days	650 psi
Consistency		Paste
Suitable as wearing surface		Yes
Recommended for intermittent moisture		Yesi

SAFETY - CAUTION: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: The recommendations, suggestions, statements and technical data in this bulletin are based on our best knowledge. They are given for informational purposes only and without any responsability for their use. The responsibility for the seller and manufacturer is only to replace that portion of the product of this manufacturer, which proves to be defective due to the quality of the ingredients or the manufacturing process itself. However, since handling and use is beyond our control, we do not guarantee the results to be obtained. Only written statements signed by an officer of the manufacturer are binding on the manufacturer or seller. Nothing in this bulletin should be interpreted as a recommendation for a use, which violates any patent rights.