57
SCRATCH COAT

BASIC USES

For use as a Leveling Scratch Coat or for patching up to 13 mm (1/2") thickness on vertical or horizontal concrete surfaces or well-bonded existing hard surfaces such as ceramic tile, stone, etc. 57 Scratch Coat may also be used as a Slurry Primer coat for Dry Pack Mortar beds, or as a Scratch Coat in conjunction with metal & plastic lath over properly prepared plywood floors.

COMPOSITION AND MATERIALS

A blend of Portland cement, sand and special additives packaged in dry powder form to be mixed with water or acrylic latex additive just prior to use.

FEATURES

- High cement content
- Excellent workability
- Non-Flammable
- Water resistant when cured

LIMITATIONS

Do not use directly over particleboard, Masonite, chipboard, OSB or similar unstable materials. Do not use over plywood surfaces in wet areas. Do not use over single layer plywood floors. Use only on surfaces, which are maintained at a temperature above 10°C (50°F) and below 35°C (100°F) during application and for at least 72 hours after application. On exterior applications, protect from rain until thoroughly dried and protect from freezing for at least 14 days after installation.

TECHNICAL DATA at 23°C (73°F) and 50% humidity

Typical Physical Properties

Pot Life	2.5 hours
Open Time	30 minutes
Initial Cure	12-24 hours
Final Cure	28 days
Shear Strength (ANSI A118.1)	
Non-Vitreous Tile	1.6 MPa (225 psi)
Compressive Strength	13.8 MPa (2000 psi)
Linear Shrinkage	< 0.25 %
Specific Gravity (dry)	1.75
Specific Gravity (wet)	1.90
pH (paste)	approx. 12
Cleanability:	with water before material dries
Shelf Life:	1 year from production date when stored in dry, heated conditions

Approx. coverage per 22.7 kg (50 lb) bag:
2.23 m² (24 ft²) @ 6.4 mm (1/4") thickness

* Coverages given are for estimating purposes only. Actual coverages may vary depending on job site conditions and installation techniques used.

VOC FREE

INSTALLATION

PREPARATORY WORK

Wooden floors with metal or plastic lath should be designed for maximum deflection of L/360 of span. This typically requires 32 mm (1 1/4") total thickness of plywood on 406 mm (16") centre floor joists. The plywood flooring or countertop to receive 57 Scratch Coat should be Douglas Fir exterior grade only, secured with screw type nails and glued where possible. Leave 3 mm (1/8") gaps between sheets of plywood and at all perimeter joints. Surfaces must be clean of any foreign material prior to placing metal lath and 57 Scratch Coat. Using corrosion proof nails, screws or staples, attach galvanized or painted expanded metal lath or plastic lath of desired thickness onto the substrate. Butt joints of lath. Joints in the plywood and the lath joints should be offset. Refer to current editions of TTMAC 09 30 00 Tile Installation Manual, or TCNA Handbook for Ceramic Tile Installation for information regarding placement of expansion or control joints, or for further substrate acceptability information.

Concrete surfaces should be fully cured, dry, and free of contaminates such as paint, sealers & curing compounds, or existing flooring adhesives.

MIXING

For use as a Levelling/Patch Coat, or as a Scratch Coat in conjunction with metal or plastic lath: 57 Scratch Coat should be added to approximately 4.5 liters (1.2 U.S. gallons) of cool, clean potable water, or Flextile 43 or 44 Acrylic Latex Additive. Avoid using high-speed mixers. Allow mixed material to slake for at least 10 minutes, then re-mix without adding further liquid. Resulting mortar should be of a thick, easily spreadable consistency.

For use as a Slurry Primer coat for Dry Pack Mortar Beds: 57 Scratch Coat should be added to approximately 5.5 liters (1.5 U.S. gallons) of Flextile 43 or 44 Acrylic Latex Additive, to produce a wet slurry.

APPLICATION

For use with metal or plastic lath: completely fill the metal lath with a uniform coat of 57 Scratch Coat. Firmly tamp and screed. Thickness should be between 6 mm (1/4") and 12 mm (1/2"). Apply tile to plastic scratch coat using Portland cement slurry or appropriate Flextile latex Portland cement mortar.

For Levelling & Patching: force a thin layer of mixed material into the substrate surface with a flat trowel, followed by further application of material to desired thickness, and trowel smooth.

For use as a Slurry Primer Coat for Dry Pack Mortar Beds: brush or trowel mixed slurry onto the substrate to produce a consistent primer coat of at least 3 mm (1/8") thickness, and immediately place Dry Pack Mortar Bed while slurry is still wet.

CURING

Protect from all traffic until cured at least 12 hours prior to installing tile with Flextile Thin-Set mortars. On exterior or cold weather applications, extended curing is recommended to ensure that mortar is sufficiently cured.

CAUTION

Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid extended contact with skin where possible and wash exposed skin areas promptly with water. If any cement or cement mixtures get into the eye, rinse immediately and repeatedly with water and get prompt medical attention. Keep out of reach of children.

SAFETY

Refer to Flextile Safety Data Sheet for detailed health and safety information.

AVAILABILITY

Flextile 57 Scratch Coat is available from Flextile Ltd. and its distributors in 22.7 kg (50 lb) bags.

WARRANTY

Flextile warrants that this product is of merchantable quality and is suitable for the purpose for which it is intended. Flextile's liability under this warranty shall be limited to replacement of its product found to be defective or, at its option, a refund of the purchase price.

MAINTENANCE

No maintenance is required except where damages result from unforeseen circumstances. Repair procedures shall be directed by Flextile or its distributors.

TECHNICAL SERVICES

Flextile maintains a well-equipped laboratory able to test its products in conjunction with the products with which they are used. Technical assistance for use of Flextile products is available upon request.

RELATED REFERENCES

Current editions of TTMAC 09 30 00 & TCNA Ceramic Tile Installation Manuals.

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