

MIXING & INSTALLATION

1. Mix ST-SL(T) with electrical auger type mixer, mechanical mixer or automatic mixer pump in accordance with the recommended water/powder ratio.
2. Apply Score Tech Supreme Primer (ST-SP) to the substrate two times before applying ST-SL(T).
3. The first layer of ST-SP shall be diluted with clean water in the ratio of approximately 1:5.
4. After the first layer of ST-SP becomes tacky dry, apply the second layer of ST-SP with the dilution with clean water in the ratio of approximately 1:3.
5. Workability of ST-SL(T) shall be at least 140 mm as tested by the flow ring for application. Use a long steel trowel or a serrated steel spatula to help spreading ST-SL(T) and finish the surface.
6. Please refer to the method statement provided by Score Tech for details.

PACKAGE

25 kg bag

SHELF LIFE

ST-SL(T) has a shelf life of 6 months if well kept in dry condition on lifted floor.

HEALTH & SAFETY

Wear NIOSH approved face mask or equivalent personal protective equipment when handling the material. ST-SL(T) contains cement which may cause an allergic effect or irritation to eyes and skin. When contact with eyes, flush immediately with large quantity of water.

REFERENCE STANDARDS

- ◆ European Standard: BS EN 13892; BS EN 12706; BS EN 13454
- ◆ British Standard: BS 6319; BS 8204
- ◆ American Standard: ASTM C348; ASTM C413; ASTM C531

TECHNICAL DATA

Colour	Grey (or other colour on order)
Compressive Strength	≥ 35 N/mm ²
Flexural Strength	≥ 10 N/mm ²
Adhesion Strength	≥ 1.5 N/mm ²
Cracking in Coutinho Ring Test at 28 days	No Crack
Flow Ring	≥ 140 mm
Coat Thickness	3 – 15 mm
Water Demand	5.75 - 6.25 L/25 kg bag
Coverage	~ 1.7 kg/m ² /mm
Curing Time - for foot traffic for covering	~ 2 - 4 hours 18 - 24 hours
Application temperature	10 to 40 °C

DISCLAIMER

Note: As the application condition may vary from site to site and may not be identical to the same condition under which the parameters in the brochure are drawn, the information provided on this Technical Data Sheet is for general guidance only. Warranty will not be given to the ultimate performance and application results of this material when the material is not kept, mixed, applied or cured strictly in accordance with the requirements and/or instructions listed out in this brochure or in other supplementary document.

SCORETECH
MASTERING TECHNOLOGY AND PRACTICALITY

Tel: 852-2590 9898
Fax: 852-2590 0511
Email: enquiry@scoretech.com.hk
Website: www.scoretech.com.hk

SLT-E-APR2016.01

T_{op-layment}

S_{elf-leveling}

S_{creed}

ST-SL(T)

Proprietary premixed cementitious self-leveling top-layment floor screed enhanced with modified polymer. It does not contain any casein or other protein bearing additives that would develop ammonia during the curing process.

PRODUCT DESCRIPTION

ST-SL(T) is a proprietary premixed self-leveling cementitious top-layment screed enhanced with modified polymer and does not contain casein or other protein bearing additives that would develop ammonia during the curing process. ST-SL(T) is formulated to achieve a smooth flat surface with ease of application and optimum flow properties. It is in pre-mixed powder form and is designed for using as concrete subfloor in various types of building such as warehouses, domestic, workshop, office units, shops, malls, classroom, sports courts, hospitals etc.

SUBSTRATE PREPARATION

The substrate must be sound, even, clean and free of loose particles, grease and any other unwanted contaminants. Any cracks in the substrate must be repaired and made good. Concrete laitance and old coatings should be removed mechanically (e.g. by enclosed shot blasting, scraping or scarification). Contraction joints, construction joints and cracks in the substrate which may be subject to movement must be maintained as joints in the new surface after installation of ST-SL(T). Suitable primer such as Score Tech Substrate Primer (ST-SP) or equivalent shall be applied on the substrate before applying ST-SL(T). The primer should be left for ample time until tacky dry before application of the self-leveling material.

FEATURES & BENEFITS

- ◆ Extremely low shrinkage
- ◆ Allow foot traffic after 2-4 hours
- ◆ Fast strength build up for next working process
- ◆ Strong adhesion to substrate
- ◆ Easy application by pumping or manual application
- ◆ Smooth, flat and finishing surface
- ◆ Premixed in factory
- ◆ High productivity & cost effective
- ◆ Easy, tidy, clean storage & environmental friendly
- ◆ High water retentivity

AREAS OF APPLICATION

- ◆ Floor screed for residential, commercial, recreation, heavy duty application
- ◆ Top-layment for floor screeding system
- ◆ Leveling of existing uneven concrete floors
- ◆ Fast repair of specific uneven locations on concrete floors
- ◆ Suitable for new construction or refurbishment projects
- ◆ Areas that require flat smooth surfaces over existing concrete slabs

Top-layment Self-leveling Screed *ST-SL(T)*

Proprietary premixed cementitious self-leveling top-layment floor screed enhanced with modified polymer. It does not contain any casein or other protein bearing additives that would develop ammonia during the curing process.

PRODUCT DESCRIPTION

ST-SL(T) is a proprietary premixed self-leveling cementitious top-layment screed enhanced with modified polymer and does not contain casein or other protein bearing additives that would develop ammonia during the curing process. ST-SL(T) is formulated to achieve a smooth flat surface with ease of application and optimum flow properties. It is in pre-mixed powder form and is designed for using as concrete subfloor in various types of building such as warehouses, domestic, workshop, office units, shops, malls, classroom, sports courts, hospitals etc.

SUBSTRATE PREPARATION

The substrate must be sound, even, clean and free of loose particles, grease and any other unwanted contaminants. Any cracks in the substrate must be repaired and made good. Concrete laitance and old coatings should be removed mechanically (e.g. by enclosed shot blasting, scraping or scarification). Contraction joints, construction joints and cracks in the substrate which may be subject to movement must be maintained as joints in the new surface after installation of ST-SL(T). Suitable primer such as Score Tech Substrate Primer (ST-SP) or equivalent shall be applied on the substrate before applying ST-SL(T). The primer should be left for ample time until tacky dry before application of the self-leveling material.

FEATURES & BENEFITS

- ♦ Extremely low shrinkage
- ♦ Allow foot traffic after 2-4 hours
- ♦ Fast strength build up for next working process
- ♦ Strong adhesion to substrate
- ♦ Easy application by pumping or manual application
- ♦ Smooth, flat and finishing surface
- ♦ Premixed in factory
- ♦ High productivity & cost effective
- ♦ Easy, tidy, clean storage & environmental friendly
- ♦ High water retentivity

AREAS OF APPLICATION

- ♦ Floor screed for residential, commercial, recreation, heavy duty application
- ♦ Top-layment for floor screeding system
- ♦ Leveling of existing uneven concrete floors
- ♦ Fast repair of specific uneven locations on concrete floors
- ♦ Suitable for new construction or refurbishment projects
- ♦ Areas that require flat smooth surfaces over existing concrete slabs

MIXING & INSTALLATION

1. Mix ST-SL(T) with electrical auger type mixer, mechanical mixer or automatic mixer pump in accordance with the recommended water/powder ratio.
2. Apply Score Tech Supreme Primer (ST-SP) to the substrate two times before applying ST-SL(T).
3. The first layer of ST-SP shall be diluted with clean water in the ratio of approximately 1:5.
4. After the first layer of ST-SP becomes tacky dry, apply the second layer of ST-SP with the dilution with clean water in the ratio of approximately 1:3.
5. Workability of ST-SL(T) shall be at least 140 mm as tested by the flow ring for application. Use a long steel trowel or a serrated steel spatula to help spreading ST-SL(T) and finish the surface.
6. Please refer to the method statement provided by Score Tech for details.

PACKAGE

25 kg bag

SHELF LIFE

ST-SL(T) has a shelf life of 6 months if well kept in dry condition on lifted floor.

HEALTH & SAFETY

Wear NIOSH approved face mask or equivalent personal protective equipment when handling the material. ST-SL(T) contains cement which may cause an allergic effect or irritation to eyes and skin. When contact with eyes, flush immediately with large quantity of water.

REFERENCE STANDARDS

- ♦ European Standard: BS EN 13892; BS EN 12706; BS EN 13454
- ♦ British Standard: BS 6319; BS 8204
- ♦ American Standard: ASTM C348; ASTM C413; ASTM C531

TECHNICAL DATA

Colour	Grey (or other colour on order)
Compressive Strength	≥ 35 N/mm ²
Flexural Strength	≥ 10 N/mm ²
Adhesion Strength	≥ 1.5 N/mm ²
Cracking in Coutinho Ring Test at 28 days	No Crack
Flow Ring	≥ 140 mm
Coat Thickness	3 – 15 mm
Water Demand	5.75 - 6.25 L/25 kg bag
Coverage	~ 1.7 kg/m ² /mm
Curing Time - for foot traffic for covering	~ 2 - 4 hours 18 - 24 hours
Application temperature	10 to 40 °C

DISCLAIMER

Note: As the application condition may vary from site to site and may not be identical to the same condition under which the parameters in the brochure are drawn, the information provided on this Technical Data Sheet is for general guidance only. Warranty will not be given to the ultimate performance and application results of this material when the material is not kept, mixed, applied or cured strictly in accordance with the requirements and/or instructions listed out in this brochure or in other supplementary document.