

PRODUCT DESCRIPTION

Stonset TG8 is a fast-setting, trowellable, vinyl ester based patching grout designed for permanent horizontal repairs to concrete floors and structural surfaces. Stonset TG8 exhibits exceptional strength.

PACKAGING

Stonset TG8 is supplied in units for easy handling. Each unit consists of:

- 3 cartons containing:
- 2 cans of resin
- 2 jars of Peroxide

1 cartons containing:

- 6 bags of Part C-1 Aggregate
- 6 individual bags of Part C-2 Aggregate
- 6 individual bags of Part C-3 Aggregate

COVERAGE

Approximately 0.06 m³ per unit.

STORAGE CONDITIONS

Store all components of Stonset TG8 at or above 16°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 3 months in the original, unopened container.

SUBSTRATE

Stonset TG8, with the appropriate primer, is suitable for application over concrete. For questions regarding other possible substrates or an appropriate primer, contact your local Stonhard representative or Technical Service.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond and system performance. The substrate must be dry and properly prepared utilizing mechanical methods. **For existing coated surfaces, the coating must be completely removed back down to an intact mortar or substrate. Once the coating is removed prime the prepared surface with Stonchem Epoxy Primer and broadcast with silica aggregate to refusal. Remove any excess silica aggregate prior to system overlayment. Omitting these steps could result in uncured material.** Questions regarding substrate preparation should be directed to your local Stonhard representative or Technical Service.

PRIMING

Stonchem 800 Series Primer must be used in all applications of Stonset TG8. The prepared substrate should be primed just prior to applying Stonset TG8.

MIXING

Note: Do not start mixing until the surface is properly prepared and dry the temperature of both the Stonset TG8 and the surface is at least 16°C or higher.

- Empty contents of resin and peroxide into a five gallon pail, Utilizing a JB Blender, mix the liquids for one minute.
- Add the contents of one bag of C-1, one bag of C-2 and one bag of C-3 to the liquid mixture and mix for one additional minute or until a homogenous mortar is achieved.

PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579)	80 N/mm ² after 7 days
Tensile Strength (ASTM C-307)	15 N/mm ²
Flexural Strength (ASTM C-580)	34 N/mm ²
Flexural Modulus of Elasticity (ASTM C-790)	11.72 kn/mm ²
Pot Life (@ 24°C)	25 minutes
Cure Rate (@ 21°C)	2 hours for normal operations
VOC (ASTM D2369 Method E)	46g/l

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory environment, values obtained on field applied materials may vary and certain test methods can only be conducted on lab made test coupons.

APPLYING

The mixed Stonset TG8 must be placed before the Stonchem 700/800 Series Primer has cured. Spread and compact Stonset TG8 with a steel finishing trowel. Stonset TG8 must be well compacted prior to smoothing the surface. Deep areas must be placed and compacted in 50.8 mm layers. Material will not be compacted properly if lift thicknesses exceed 50.8 mm.

- When filling holes and ruts, use the surrounding floor level as a guide for the trowel.
- For larger areas or changing floor levels, use screeds and a straight-edge to obtain the desired thickness.
- To maintain physical properties, do not place Stonset TG8 at less than 12 mm.
- Steel finishing trowels are used to compact and smooth the surface of the material to the required thickness.
- Detailed application instructions can be found in the Stonset TG8 Directions.

CURING

The initial set time for Stonset TG8 is 1 to 2 hours. Overlayment may begin at this time. The grouted area may be put back into service in 12 hours. Ultimate physical characteristics will be achieved in 7 days. The curing time may vary depending upon ambient and surface conditions.


NOTES

- Procedures for cleaning of the flooring system during operations can be found in the Stonhard Floor Maintenance Guide.
- Safety Data Sheets for Stonset TG8 are available on line at www.stonhard-europe.com under Products or upon request.
- A staff of technical service engineers is available to assist with installation, or to answer questions related to Stonhard products.

- Requests for technical literature or service can be made through local sales representatives and offices, or corporate offices located worldwide.

CE MARKING

The harmonized European Standard EN 13813 "Screed material and floor screeds - Screed materials - Properties and requirements" specifies the requirements for screed materials for use in floor construction internally. Resinous flooring systems as well as resinous screeds fall under this specification they have to be CE-labelled as per Annex ZA., Table ZA.1.5 and 3.3 and fulfil the requirements of the given mandate of the Construction Products Regulation no. 305/2011

	
StonCor Europe Rue du Travail 9 1400 Nivelles, Belgium	
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DOP-2013.11.004	
EN 13813 SR-C75-F30-B2.0	
Synthetic resin screed material for use internally in buildings (system as per Product Data Sheet)	
Release of corrosive substances:	SR
Compressive strength:	C75
Flexural strength:	F30
Adhesion strength by pull-off test:	> B2.0
Chemical resistance:	CRG ¹
¹ CRG: see Stonhard Chemical Resistance Guide	

IMPORTANT:

Stonhard believes the information contained here to be true and accurate as of the date of publication. Stonhard makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time and without prior notice.

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STONHARD[®]
www.stoncor-europe.com

European Offices:

Belgium	+32 674 93 710	Spain/Portugal	+351 707 200 088	Germany	+49 240 541 740
France	+33 160 064 419	United Kindom	+44 125 63 36 600	The Netherlands	+31 165 585 200
Poland	+48 422 112 768	East Europe	+48 422 112 768	Italy	+39 022 53 751