

PRODUCT DESCRIPTION

Stonset TG6 is a four-component, fast setting, trowelable grout. This moisture tolerant, polyurethane-based grout is designed for permanent repairs to concrete floors and decks.

USES, APPLICATIONS

Stonset TG6 is formulated specifically for the food and beverage industry. Stonset TG6 is used for repairing deep holes, ruts and erosions in concrete floors and for changing the level or pitch of floors in preparation for overlayment with Stonhard's polyurethane mortar systems. Processing areas and wet environments are among a few of the typical applications for this solvent-free, rapid hardening, durable, polyurethane grout.

SYSTEM OPTIONS

Waterproofing

Where the total system must be waterproof, the use of Stonhard's Stonproof ME7 membrane system with Texture #3 broadcast to refusal is required with a strict adherence to application instructions.

Crack Treatment

When crack treatment is needed due to cracks in the substrate, the use of Stonhard's Stonproof CT5 or RH7 with Texture #3 broadcast to refusal is required with a strict adherence to application instructions.

PRODUCT ADVANTAGES

- Solvent-free
- Moisture tolerant
- Low temperature cure
- Minimal shrinkage
- Rapid hardening
- Excellent bond strength assures superior adhesion
- Factory proportioned packaging ensures consistent, high quality mixing

PACKAGING

Stonset TG6 is packaged in units for easy handling. Each unit consists of:

- 2 cartons, each containing:
 - 4 foil bags of Isocyanate
 - 4 poly bags of Polyol

- 8 individual bags of Part C aggregate
- 8 individual bags of Part C-I aggregate

COVERAGE

Approximately 0.08 m³ per unit (0.01 m³ per mix).

STORAGE CONDITIONS

Store all Stonset TG6 components between 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life of the liquids is one year while the C-I has a 6 month shelf life in the original, unopened container.

SUBSTRATE

Stonset TG6, with the appropriate primer, is suitable for application over concrete, wood, brick, quarry tile, metal or Stonhard Stonset grouts. For questions regarding other possible substrates or an appropriate primer, contact your local Stonhard representative or Technical Service.

PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579)	42,7 N/mm ² after 7 days
Flexural Strength (ASTM C-580)	6,4 N/mm ²
Flexural Modulus of Elasticity (ASTM C-580)	5,5 x 10 ³ N/mm ²
Hardness (ASTM D-2240, Shore D)	86 to 88
VOC Content (ASRM D-2369)	5 g/l
Pot Life (@ 24°C)	15 minutes

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.

Note: Stonset TG6 is suitable for application over new/green concrete. The concrete must be in place for a minimum of 5 days, be dry and have sufficient strength to handle mechanical preparation

SUBSTRATE PREPERATION

Proper preparation is critical to ensure an adequate bond and system performance. The substrate must be dry and properly prepared utilizing mechanical methods. Questions regarding substrate preparation should be directed to your local Stonhard Representative or Technical Service.

PRIMING

Urethane Primer must be used for all applications of Stonset TG6. The TG6 must be trowelled into the Urethane Primer while it is still wet or tacky, the open time is approximately 20 minutes.

MIXING

Note: Do not start mixing until the surface is properly prepared with the temperature of both the Stonset TG6 and the substrate at least 7°C. Complete mixing is critical to product performance.

- 1 Empty the contents of one bag of Isocyanate and one bag of Polyol into a clean c.a. 20 liter pail.
- 2 Place the mixing pail on a JB Power Blender and activate the timer to start the 90 second blending cycle. While this cycle is mixing, add the contents of one bag of Part C-I (aggregate).
- 3 When the blender stops, reactivate the timer and immediately pour the contents of one bag of Part C (aggregate) into the pail. Allow the contents to mix for the complete 90 second cycle.
- 4 When the blender stops, scrape the excess material from the mixing blade. Remove the pail and deliver it to the floor area for application.

Note: The use of a timer is required when using a bulk mixer to mix Stonset TG6. This is to ensure that all the aggregate is mixed for the required time. Due to the time required to add all of the components, the mix cycle should be extended to ensure 90 seconds of mixing after all of the aggregate has been added

APPLYING

The mixed Stonset TG6 **MUST BE PLACED WHILE THE URETHANE PRIMER IS STILL WET OR TACKY.** Spread and compact Stonset TG6 with a steel finishing trowel.

- 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 TG6 at less than 12 mm.
- Broadcast Texture #3 on to the surface of the wet TG6 at a rate of 27,9 – 37,2 m² per bag.

CURING

The initial set time for Stonset TG6 is 3 to 4 hours. Overlayment can begin 10 to 12 hours after the Stonset TG6 has been installed. Ultimate physical characteristics will be achieved in 7 days. The curing time may vary depending upon ambient and surface conditions.

PRECAUTIONS


- Use these materials only in strict accordance with the manufacturer's recommended safety procedures. Dispose of waste materials in accordance with government regulations.
- The selection of proper protective clothing and equipment will significantly reduce the risk of injury. Body covering apparel, safety goggles or safety glasses and impermeable gloves are required.
- In case of contact, flush area with water for 15 minutes and seek medical attention. Wash skin with soap and water.
- If material is ingested, immediately contact a physician. **DO NOT INDUCE VOMITING.**
- During prep-work of floor substrate or mixing of Stonhard product while adding aggregate, dust masks must be worn.

NOTES

- Safety Data Sheets for Stonset TG6 are available on line at www.stoncor-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 literature 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	
I3	
DOP-2013.11.003	
EN 13813 SR-C45-F8-B2.0	
Synthetic resin screed material for use internally in buildings (system as per Product Data Sheet)	
Release of corrosive substances:	SR
Compressive strength:	C45
Flexural strength:	F8
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.

Rev. 8/18
© 2018 Stonhard



STONHARD[®]
www.stoncor-europe.com

European Offices:

Belgium +32 674 93 710
France +33 160 064 419
Poland +48 422 112 768

Spain/Portugal +351 707 200 088
United Kingdom +44 125 63 36 600
East Europe +48 422 112 768

Germany +49 240 541 740
The Netherlands +31 165 585 200
Italy +39 022 53 751