



ISO 9001:2000  
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# Zahabiya

## SEALING GUM ZSG-12/99

### Ever-Flexible Elastomeric Putty

Zahabiya SEALING GUM ZSG-12/99 is elastomeric, sticky-textured RE-USEABLE SEALANT/ PUTTY possessing high cohesion, tack and elongation properties. A dense, flexible and non-hardening putty with excellent ageing properties, it provides waterproof/ watertight (cold/hot), air/gas tight (including nitrogen, ozone, ammonia etc.), vapour barrier, U/V, Ozone & weather resistant, non-cracking/ non-shrink ever soft seal with very good adhesion on various surfaces. It has great tackiness with a wide temperature range of application, formulated without the help of volatile solvents, eliminating any possibility of Fire Hazard. At all such special jobs & places where elastic insulating sealant is needed, the product is ideally used being weather resistant, water/ oil proof, fair to dilute acids/ alkalis, non-conductor to electricity, non-magnetic, non-toxic and perfectly safe in handling ("Human Friendly/ Environmentally Acceptable" Product). It is non-corrosive to cellular insulation sheets, non-porous materials including metallic components. Its flame spread and fuel contribution is negligible in low film thickness, when used as a sealant in the joints of incombustible insulations. Safe for and adheres well on all R.C.C., metallic/wooden surfaces, plastics and insulating sheets.

COLOUR:	Normally Grey. Black/ White on orders. [ASTM D1729]
ODOUR:	Free from unpleasant odours. [ASTM D1833]
CONSISTENCY:	Dense highly viscous flexible putty.
DENSITY:	In standard batches, averages about 1.45 kg/litre. [ASTM D1475]
AVERAGE NON-VOLATILE:	98-99 % w/w. [ASTM D2369]
DIMENSION:	Flat thick cakes/ slabs wrapped in Zahabiya branded printed-paper.
FLEXIBILITY:	Non-Cracking at 0°C when bent around 6 mm mandrel. [ASTM C765]
COVERAGE:	Depends on the dimension applied. Normally 1ft x 1inch <sup>2</sup> compact filling averages 260 grams.
ELONGATION:	Up to 800% at 30°C.
DRYING:	Touch dry in 5 minutes. Always remains soft & pliable. [ASTM D1640]
SERVICE TEMPERATURE:	Temperature resistance on the surface to be applied ranges from -10°C to 190°C (continuous) and for intermittent exposure up to 260°C, for short spells. Usable at as low as -45°C, as in Refrigerators/ Deep Freezers.
VAPOUR PERMEANCE:	The water vapour transmission through 1" of impermeable insulation of 12 x 18" block with 1/8" joint of "Zahabiya SEALING GUM" is negligible to be recorded. [ASTM E96].
USAGE:	<p>At all those jobs and places, where a reliable Weather Resistant, Water Proof, Fire Safe/ Non Flammable, Non-Toxic, Non-Corrosive, Non-Cracking, Non-Shrinking, Non-Hardening and Elastic Insulating Sealant is needed, this time-tested product will solve the problem effectively, economically and safely. In Civil Construction, the product is used for:</p> <ol style="list-style-type: none"><li>1 Long lasting <u>Pipe Collar Joints Sealing</u> in R.C.C., plastic, metal pipes of various diameters by filling it compactly in the cavities/ gaps. Usable as the watertight, vapour barrier gasket seal for sealing gaps and joints perfectly to prevent any possible leakages since this product <u>neither hardens-up nor shrinks</u>.</li><li>1 Useable beneficially &amp; effectively as EXPANSION JOINT SEALANT, for vertical &amp; horizontal joints, fills the space perfectly. Here this product behaves as watertight flexible seal, unaffected by weather/climatic changes, resisting U/V light and excellent ageing properties.</li><li>1 Used beneficially at the open/exposed ends of electric conduit pipes, cable entries to seal and water proof the electrical fittings effectively, preventing electrical leakage or short circuits caused due to dampness, moisture ingress besides preventing the entry of insects, lizards around and within the cable etc.</li><li>1 For Glass Panel fitting jobs, Glazing and in the wooden/metallic/plastic frames, it functions as the best and dependable soft re-usable vibration resistant, vapour barrier putty to securely fix-up and hold-in the glass edges for years to follow; without shrinkage/cracking or being peeled off, in variable seasonal atmospheric temperature and exposed air pressure.</li></ol> <p><u>Other applications include:</u> flexible/ removable duct sealant for HVACR applications, electrical insulating sealant for electrical components, metallic terminals, electronic units (proper tests and trials are recommended before usage).</p>
APPLICATION:	Manually by hand ensuring that the surface must be dried, dust & oil free. SHOULD BE APPLIED DENSELY AND COMPACTLY without air pockets, space/ voids or cavities entrapped inside. Easily hand moulded in desired shape and dimension.
STORAGE / SHELF LIFE:	Usable up to 10 years on proper storage (25°C) and up to 5 years under cycling temperatures. Best storage temperature is around 25- 30°C.



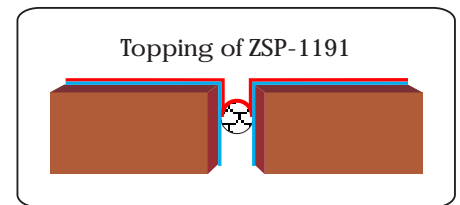
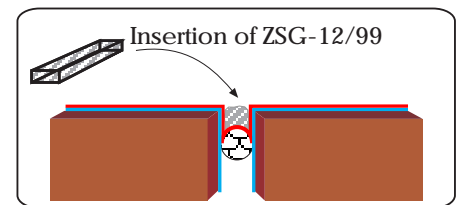
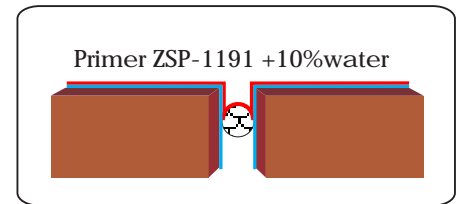
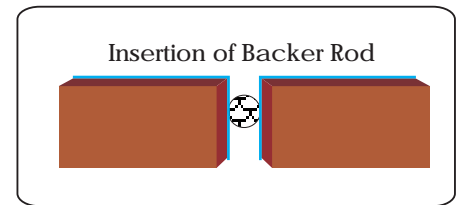
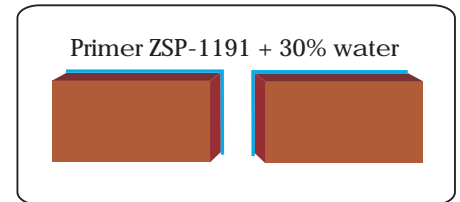
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### FILLING-IN AND SEALING CONSTRUCTION & EXPANSION JOINTS (VERTICAL/HORIZONTAL) IN CIVIL CONSTRUCTION

#### WITH ZAHABIYA SEALING GUM ZSG-12/99 & SOFT SEAL SPECIAL-ZSP-1191

**PROCEDURE:**

1. Remove all loose dust, sand and cement particles at the application site/ expansion or construction joint area, mechanically or manually. Clean & dry the surface thoroughly.
2. Apply by brush Zahabiya Soft Seal Special ZSP-1191 as the Primer coat, diluted and well mixed with 30% potable water or preferably with 20% liquor ammonia all around the joint surfaces minimum up to 1½" depth.
3. Insert and fix deeply backer rod, styropore or other packing materials as may be suitable, to seal the expansion joint area. These insulating materials are fixed in the depth as specified by the consultant/ engineer, leaving free space between 3/4" to 1" (some times 2") from outer exposed surface; to control flow of sealant inside.
4. Apply again uniform coat of Zahabiya Soft Seal Special ZSP-1191 (diluted with 10% water or liquor ammonia) all over the joints surfaces including upon backer rod, styropore or other packing material used.
5. Insert Zahabiya Sealing Gum ZSG-12/99 continuously and compactly along the length of the joint/gap, pressing it with slight pressure, taking care that no void or space is left un-filled. It must be ensured that no point or capillary is left to store or pass even the traces of water. ZSG-12/99 must be filled up to the depth of 4 to 5 mm from the exposed surface. Here Sealing Gum ZSG-12/99 will act as a Permanently Non-Cracking, Non Hardening, Water Tight, Oil Proof, Temperature & Weather Resistant providing a cushion-seal.
6. After filling SEALING GUM, fill and level up the remaining 4-5 mm by undiluted Zahabiya Soft Seal ZSP-1191 up to the upper exposed surface starting from marginal sides. ZSP-1191 may be filled in by trowel or cartridge compactly and densely, taking care that the level of the sealant must be slightly higher (convex) than the surface of floor/roof/wall, as it will slightly depress on proper air curing, maintaining the same desired level. (Please Refer Product Data on Zahabiya Soft Seal Special ZSP-1191 for details).
7. For the areas, where maximum Water Proofing is needed for the EXPANSION JOINTS sealing, one additional final coat of Zahabiya Soft Seal Special ZSP-1191 is recommended; next day after performing the step No.6. This step is essential for those places where water stands for very long durations.
8. Tests to check leakages in Expansion Joints areas must be conducted after 3 days of step No. 7. THE EXPANSION JOINTS SO SEALED REMAIN FLEXIBLE, NON-CRACKING, PERFECTLY BONDED, WALKABLE, AIR TIGHT, VAPOUR BARRIER, WATER PROOF AND WEATHER RESISTANT. (BETWEEN - 45C AND 190C).
9. To seal the low dimension Construction Joints, compactly fill pure Zahabiya Soft Seal Special ZSP-1191 after step no. 2 above.



Product	Consumption per 100ft (kg)
Zahabiya Soft Seal Special ZSP-1191 as primer	2.2 - 2.3
Zahabiya Sealing Gum ZSG-12/99	25.0 - 27.0
Zahabiya Soft Seal Special ZSP-1191 as topping	2.0 - 2.2

Consumption calculated for a well built, uniform expansion joint area of 1" x 1" and 100 ft length. The above data is only for guidance and tests on actual site are recommended.

**IMPORTANT NOTICE:**

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.