

G-SEAL

MASTER SPECIFICATION

SUGGESTED MASTER SPECIFICATION FOR G-SEAL

SECTION 03 15 00 CONCRETE ACCESSORIES OR SECTION 07 91 16 JOINT GASKETS

GENERAL

SECTION INCLUDES

- A. Provision of sealing control, expansion, and/or construction joints in concrete to create a continuous diaphragm to prevent fluid migration and accumulation of debris.

REFERENCES

- A. American Society for Testing Materials (ASTM)

PRODUCTS

MATERIALS

- A. Provide flexible, modified PVC (polyvinyl chloride) "G-SEAL" as manufactured by Sika [PH: 800-325-9504], profile style number (fill in profile style number).
- B. The modified PVC paving cap seal shall be extruded from an elastomeric plastic material of which the basic resins are prime virgin materials. The compound shall not contain any scrapped or reclaimed material.
- C. Performance Requirements as follows:

Property	Test Method	Requirements
Tensile Strength	ASTM D412-92	2350 psi min.
Elongation	ASTM D412-92	375% min.
Hardness	ASTM D2240-95	81+/-3 Shore A
Oil Swell (ASTM Oil #3, 70 hrs. @ 212° F change in volume/weight)	ASTM D471-95	+/- 15% by volume +/- 15% by weight
Ozone Resistance (20% strain, 300 pphm, 70 hrs. @ 104° F)	ASTM D518-91	No Cracking
UV Resistance (2000hrs @ 70° F)	ASTM G53	2200 psi minimum 200% minimum
Abrasion Resistance (10,500 cycles, 1000 g load)	ASTM D 3884	Material Loss: -0.35 grams max.
Adhesive Bond Strength	ASTM D412-92	1000 psi min.
Results after Heat Aging (24 hrs. @ 70° F)	ASTM D573	Tensile Strength retained: 90% min. Elongation retained: 90% min. Hardness change:+/-3 Shore A

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BUILDING TRUST



ACCESSORIES

- A. Provide factory made fabrications for all changes of direction, intersections, and transitions leaving only straight butt joint splices for field assembly.
- B. Provide 3M Scotch-Weld 4475 Plastic Adhesive for sealing of all butt splices.

EXECUTION

INSTALLATION

- A. Field butt splices shall be sealed using 3M Scotch-Weld 4475 Plastic Adhesive.
- B. Paving Cap Seal shall be attached to expansion board using staples or nails driven through bottom flange area of the Paving Cap Seal.
- C. Attach Paving Cap Seal prior to concrete placement.

END OF SECTION

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