



ElastiSeal® 6098

High Thixotropy, Weld-Thru, Corrosion Preventative Sealant

Description

ElastiSeal® 6098 is a non-flowing sealant designed to waterproof and prevent corrosion in spot weld assemblies. This sealant permits welding with conventional spot welders, it prevents moisture and oxygen from entering the joint, and provides corrosion protection to the area that cannot be coated with primer. The sealant disappears from the area of the weld but retains a tight seal around the weld spot, weld strengths are unchanged by the use of **ElastiSeal® 6098**.

Basic Use

ElastiSeal® 6098 is used to seal and waterproof steel joints. It has been used on passenger rail cars for more than fifty years. In service, this sealant remains permanently flexible and gives corrosion protection for the life of the vehicle.

Features

- Prevents corrosion in a variety of steel spot welds – Including stainless steel
- Does not affect weld strength
- Weldable with conventional spot welders
- Remains permanently flexible and elastic
- Will not stain or bleed through most primers and paints
- Not affected by paint bake temperatures up to 90°C (195°F)

Packaging

ElastiSeal® 6098 is available in cartridges and 5 gallon pails. Contact your Royal representative.

Technical Data		
Property	Typical Value	Test Method
Color	Aluminum	Visual
Specific Gravity	1.5	ASTM D1475
Solids	88% - 92%	ASTM C681
Sag Resistance	No sag with .625" bead	ASTM D2202
Dry Time @ 20°C (68°F) ; 50% RH	More than 72 hours set to touch. Does not dry through	ASTM D1640
NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not to be interpreted as manufacturing specifications.		

Application

ElastiSeal® 6098 can be applied as a bead or spread as a paste. Welds may be made through the sealer from 10 minutes to 72 hours after application. ("Spitting" may occur if welding is performed before solvent escapes.) This sealer is unaffected by conventional industrial paint bakes. Excess material may be wiped off with mineral spirits; use mineral spirits to clean tools and equipment.

Storage and Shelf Life

Store material in original unopened container between 4°C and 32°C (40°F and 90°F). Shelf life is 24 months minimum when stored as recommended.

Health and Safety

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

**THE FOLLOWING TESTS WERE
PERFORMED AFTER DRYING
21 days @ 20°C (68°F) 50% RH**

Effects of Heat Aging: ASTM C 792; 336 hours @ 70°C (158°F)	Flexibility maintained No loss of adhesion	
Humidity Resistance: ASTM D 2247; 500 hours @ 38°C (100°F); 100% RH	No corrosion under sealer No loss of adhesion	
Cyclic Salt Fog/UV Exposure: ASTM D 5894; 1000 hours	No corrosion under sealer No loss of adhesion	
Surface Flammability: ASTM E 162 Avg. Flamespread Factor (FS) Avg. Heat of Evolution (Q) Avg. Flamespread Index (Is) Flamespread Index Range	1.00 5.18 5.18 4.00 to 7.08	
Optical Density of Smoke Generation ASTM E 662	Non-Flaming	Flaming
Ds @ 1.5 min. (average)	0.0	0.4
Ds @ 4.0 min. (average)	0.4	20.6
Dm(corr) (average)	26.1	73.3

WARRANTY: Royal warrants its products to conform to Royal's specifications at the time of sale when tested according to Royal standards. If a product is proven to be defective when tested according to Royal standards, Royal will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYERS SOLE AND EXCLUSIVE REMEDY AGAINST ROYAL AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall Royal be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.