

SOLIDKOTE 302

Quick Cure Structural and Road-Stud Adhesive

Solidkote 302 is a thixotropic, solvent-free, epoxy adhesive putty for bonding of high alumina tiles, steel, metal alloys, fibreglass, wood, concrete, ceramics and glass. Solidkote 302 also bonds aluminium and plastic road stud light reflectors to a tar or concrete road surface. It contains tar as part of its formulation for increased water resistance and increased bond strengths to various substrates. SOLIDKOTE 302 has a short working life and a rapid practical cure profile.

BENEFITS:



Resists most common aggressive chemicals, aliphatic solvents and petroleum products.



Develops a high order of bonding strength within hours.



Low temperature curing.



Easy to use with practical working life.



Solvent free.



Versatile as a general purpose adhesive for many substrates.



Non-slump and gap filling.



Cost effective.

TECHNICAL DETAILS

Appearance	Part A - Black Part B - Brown
Pot-Life	10 - 15 minutes
Set Time	1 - 2 hours initial set 2 - 4 hours practical
Full Chemical Cure	24 hours, cure is temperature sensitive
Application Temperature	2 - 35 °C
Max. Service Temperature	45 °C Wet, 70 °C Dry
Compressive Strength	24 hrs > 50 MPa 4 days > 90 MPa
Tensile Strength	> 15 MPa
Steel to Steel Bond	> 10 MPa
Clean-Up	Solidkote 505
Shelf-Life	12 months
PACKAGING	
1 Litre, two component kit, consisting of resin and hardener.	

DIRECTIONS

Surfaces to be bonded should be sound, clean, and dry and it is essential that drilled holes are free of dust. Empty the contents of the small PART B bucket into the larger PART A bucket. Mix thoroughly until the paste is an even colour without lumps or streaks for approximately 2 - 3 minutes.

Apply approximately 100 ml mixed Solidkote 302 with a putty knife to the tar or concrete, place the stud in position onto the Solidkote 302 and apply enough pressure until the Solidkote 302 is squeezed out under the road stud. Clean the sides of the stud and allow the adhesive to cure.

For other applications, apply a suitable amount of the mixed Solidkote 302 onto one substrate surface. Then apply the second substrate surface onto the wet mixture and apply pressure until product is squeezed out of the sides.

Remove excess product with a putty knife and allow the application to cure.

CAUTION

Solidkote 302 must be mixed and used as supplied. Under no circumstances should solvents be added to the mixture as this will inhibit curing and compromise on bond strength development. Always ensure the material is suitable for a particular application by consulting a technical representative.

HEALTH AND SAFETY:

Epoxy products are to be treated with care. In the event of skin contact, wash well with soap and warm water. Seek immediate medical assistance for eye contact. If sensitized towards epoxy products avoid all exposure.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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