

# Technical Data Sheet

B290 WICKING GRADE THREADLOCKING PENETRANT

Revised 03.08.10

## B290 Threadlocking Penetrant

### PRODUCT DESCRIPTION

Penetrator Type B290 is a Fast Cure anaerobic securing compound which is very low in viscosity, thus enabling the wicking action to search into the voids in assembled components and cure anaerobically in the absence of air on close fitting metal parts.

### APPLICATIONS

Penetrator B290 prevents loosening of metal threaded fasteners and secures close fitting cylindrical parts, sealing the parts from leakage.

### USEFUL NOTES

Penetrator Type B290 can also be used as a weld sealant or porosity sealant, seeking out casting irregularities. The product can also fluoresce under UV lamps for inspection purposes.

### PROPERTIES

A Fast Setting Anaerobic which wicks into already assembled parts, searching into the voids to set strong.

### INSTRUCTIONS FOR USE

Ensure parts are clean, dry and free from oil and grease.

### PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

### COMPATIBLE ACCELERATORS/PRIMERS

Low temperature, gap or substrates may require the use of activator with B290 Penetrant Grade.

### STORAGE

Store in a cool area out of direct sunlight.  
Shelf Life >12 months @ ambient temperatures.

### HEALTH & SAFETY IN USE

**IRRITANT:** Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

This Technical information sheet does not constitute a Material Safety Data Sheet. Before using this product ensure you have read and fully understood Bondloc Material Safety Data Sheet B290.

### TECHNICAL FEATURES

Resin	Dimethacrylate Ester
Colour	Green Fluorescent
Fixture Speed No Activator	7 minutes
Fixture Speed With Activator	Not recommended
Viscosity	15-20 cps
Gap fill	0.05mm
Flash Point	>100°C
Shelf Life	12 month min
Specific Gravity	1.08
Max Operating Temperature	-55°C to + 150°C

### CURED PERFORMANCE

Full Cure Time	12 hours
Typical breakaway strength	16 N.m
Typical breakaway ISO 10964	12 N.m
Typical prevailing ISO 10964	28 N.m
Typical breakaway to DIN 54454	30 N.m
Typical Prevailing strength DIN 54454	40 N.m
DIN 54454 BR/PR Range	30 N.m upto 55 N.m Max
ISO 10964 BR/PR Range	12N.m upto 40 N.m Max

### PRESENTATION

B290 is available in 10ml, 25ml, 50ml, 250ml and bulk packs.

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

**Warranty:** All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.