

# Tough Seal

## Chemical/Gasoline & Oil Resistant Sealer

### Description

*Conspec Tough Seal is a scientifically formulated clear, non-yellowing coating comprised of methyl methacrylate polymers. It dries to a durable, high gloss, chemically resistant finish that not only protects, but also beautifies your floors and walls.*

*Tough Seal is designed to provide maximum protection from deterioration caused by acids, alkali, salt, aliphatic solvents, cleaners, gasoline, etc. Laboratory testing has shown it to be completely unaffected by 48 hours of immersion in high test gasoline. In addition, testing illustrates excellent resistance to chemicals, oils, greases, urine and weathering.*

### Manufacturer

Conspec  
636 S. 66th Terrace  
Kansas City, Kansas 66111  
**Customer Service** (800) 348-7351  
**Technical Service** (877) CONSPEC

### Use

Tough Seal is a breathable film which allows moisture that is trapped in the substrate to escape before any freeze-thaw damage is done.

Conspec Tough Seal will not only provide improved chemical and gasoline/oil resistance, but it will also prevent dusting, spalling and inhibit efflorescence. Clean-up time is reduced and simplified since dirt, grease, oil and chemicals that normally soak into the concrete are easily removed from the coating.

Tough Seal not only offers protection for concrete surfaces, but it can also protect and beautify exposed aggregate, stamped concrete, stone and masonry surfaces.

Tough Seal is an ideal application for factories, refineries, warehouses, schools, hospitals, shopping malls, service stations, parking lots, plazas, garages and other areas where maximum concrete and masonry protection is desired.

### Benefits

- Excellent Chemical Resistance
- High Gloss Finish
- Easy to Recoat - No Extensive Surface Preparations
- Resists Gasoline, Grease, Oil, Aliphatic Solvents, Acids and Alkali
- Five Year Dustproofing Warranty Available for Floors, Contact Conspec
- Non-Yellowing, Clear Coating
- Interior/Exterior
- Reduces Maintenance and Clean-Up Time
- Excellent Protection Against the Weather and Ultraviolet Radiation
- USDA Approved For Incidental Food Contact

### Application

Surface Preparation: Surfaces should be clean and free of oil, grease, dirt, paint and resin curing compounds. Due to compatibility of the Conspec curing compound Conhard with Tough Seal, the Conspec Conhard does not have to be removed prior to the application of Tough Seal.

If the surface is dirty, it should be cleaned with Orange Peel and thoroughly rinsed. On dense or extremely dirty concrete floors, the surface should be cleaned with water blasting (2000 psi {14 MPa} minimum) or shot blasted to ensure proper adhesion.

*Application:* Application methods include low pressure spraying, roller, brush or lambswool applicator. Apply uniformly without puddles. On smaller projects Conspec recommends rolling the material. Two coats are recommended, allowing the first coat to dry before applying the second coat. Additional coats generally result in a higher gloss and a more durable finish.

Do not apply in temperatures below 40°F (4°C) and do not apply Tough Seal outside, if rain is expected within four hours.

### Approximate Coverage

#### Rough, Porous Surfaces

First Coat	200-250 ft <sup>2</sup> /gal (4.9-6.1 m <sup>2</sup> /L)
Second Coat	300-350 ft <sup>2</sup> /gal (7.4-8.6 m <sup>2</sup> /L)

#### Smooth, Dense Surfaces

First Coat	250-300 ft <sup>2</sup> /gal (6.1-7.4 m <sup>2</sup> /L)
Second Coat	350-400 ft <sup>2</sup> /gal (8.6-9.8 m <sup>2</sup> /L)

Film thickness is 1 mil at 200 ft<sup>2</sup>/gal (.0025 cm at 4.9 m<sup>2</sup>/L)

Texture and absorption of surface will influence final coverage.

### Drying Time

Approximately 2 hours at 70°F (21°C) for light traffic or recoating. Wait until a coat is tack free before applying a subsequent coat. Wait 12 hours for heavy traffic.

## Packaging

55 gallon drums (208.2 L)  
 5 gallon pails (18.9 L)  
 1 gallon units (4 to a case)(3.8 L)

## Limitations/Precautions

Sprayers and equipment should have neoprene or viton type hose and gaskets. Do not apply at temperatures below 40°F (4°C). Apply to concrete that is a minimum of 7 days old. Will interfere with the adhesion of sealants, thus avoid spraying Conspec Tough Seal into a joint prior to installation of sealant. Conspec Tough Seal will not resist brake or hydraulic fluids. Not for use under resinous (epoxy, polyester, urethane, etc.) coatings.

Flammable mixture - contains xylene. Use protective clothing and gloves. Provide proper ventilation during application. After installation, thoroughly ventilate inside area removing all solvent odors before placing into service. Causes irritation of skin and eyes. Refer to Material Safety Data Sheet for additional information.

## Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discov-

ered. If Conspec, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Conspec officer is authorized to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

### Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

## Maintenance

To prolong the life of the coating, regular sweeping and washing of the floor is suggested. Wipe up chemical spills as soon as possible. Where worn away by abrasion or traffic, recoat after surface is cleaned.

## Clean-Up

For tools and equipment use xylol or lacquer thinner.

## Technical Services

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

## Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec upon request.