

5.157 GEMBOND EPDM-FC

TDSG5157

DESCRIPTION	Gembond EPDM-FC joint sealant and flexible coating. Used as flexible sealant for concrete joints, and as a coating for light service areas where some flexibility is required. It has a convenient 1:1 mix ratio.		
TYPICAL USES	<p>SEALANT: Can be used for filling floor joints where some movement occurs to provide support to the edges of the joint. When using as a sealant, pour into concrete joints over specified Cotec epoxy primer– consult Cotec Technical for written specification. EPDM-FC gives a tough yet flexible sealant which can handle most floor traffic. It is ideal for cool stores, pack houses, factory floors, dairy sheds, changing rooms, toilet and shower blocks etc. When used in Swimming Pools it must be overcoated with EPOTEC NT.</p> <p>COATING: It can be thinned with acetone and used as a flexible coating on substrates with relatively light traffic where some movement occurs e.g., changing rooms, toilet and shower blocks, plywood floors, plywood decks etc. It will also adhere to clean butynol –solvent wipe with acetone is recommended</p>		
PERFORMANCE	Elongation 60-80%		
LIMITATIONS	<p>For best results should not be installed below 5°C.</p> <ul style="list-style-type: none"> Mechanically roughen 5.157 Gembond EPDM if over coating. 		
TECHNICAL DATA	<p>Resin: 2 Component Epoxy Solvent: Solventless Appearance: Resin –pigmented liquid, Hardener - amber liquid Colour: White RAL 7035 Bondi Primer: See over. Durability: Excellent Potlife: 20 mins @20°C Pack Size: 2,8,20L MTO Working Time: 15mins @20°C Cure to Handle: Overnight @20°C/65% RH Walk on Time: 24 hours (20°C/50% RH) Cure Hard @20°C: 24 hours Shore Hardness: 57 (A) Mixing Ratio: 1:1 Vol Solids: 100 percent Touch Dry: Overnight @20°C Recoat Time: Overnight @20°C Max Recoat Time: 72 Hours @20°C Number of Coats: 1 Theoretical Coverage: 10 m²/litre/coat Wet Film Thickness: 100 microns Dry Film Thickness: 100 microns</p>		
SPREAD RATE	<p>First Coat: 10 - m²/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.</p>		
PRODUCT CODES	G5157.		
PRIMERS AND UNDERCOATS	Substrate	Primer / Undercoat	Technical Data Sheet
	Cementitious	TUFFLOOR PRIMER KC	See TDS61-1100
	Cementitious	TUFFLOOR WB EPOXY SEALER	See TDS56-700

SURFACE PREPARATION Cementitious Flooring-Previously Painted Poor

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material.

Moss and Algae: Any algae growth on surfaces must be killed off. The surface must be treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

Aged and worn Alkyd, Epoxy or Polyurethane coatings showing areas of exposed substrate, wear or paint failure must be checked for substrate adhesion and generally will need to be removed. If in any doubt remove.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

The method of preparation work (Sanding, grinding, media/soda blast, or UHP blasting, or other) must be discussed and documented separately. Generally, a full diamond grind to remove existing coatings and profile the surface as above is recommended.

Refer PS-C006 Making Concrete Clean and Dry to ensure the surface is ready to commence work.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

Cementitious-Aged Unpainted Poor

Moss and Algae: Any algae growth on surfaces must be killed off. The pool will need to be emptied and then treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting to confirm the moisture content of the surface is dry enough to proceed. Refer to PS-C004 The Moisture Content of Concrete.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

Any adhesive or glue residues must be completely removed.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity. The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a full grind to remove existing contamination and profile the surface as above is recommended.

Repair work (surface and crack repair, expansion joints, holes, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

COATING TECHNOLOGIES LIMITED

10 Andromeda Crescent, East Tamaki, Auckland 2013 Ph +64 9 837 0897 www.cotec.co.nz

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from the date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.



Cementitious-Previously Painted Poor

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material.

Moss and Algae: Any algae growth on surfaces must be killed off. The surface must be treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

Aged and worn Alkyd, Epoxy or Polyurethane coatings showing areas of exposed substrate, wear or paint failure must be checked for substrate adhesion and generally will need to be removed. If in any doubt remove.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

The method of preparation work (Sanding, grinding, media/soda blast, or UHP blasting, acid etching or other) must be discussed and documented separately. Generally, a full diamond grind to remove existing coatings and profile the surface as above is recommended.

Refer PS-C006 Making Concrete Clean and Dry to ensure the surface is ready to commence work.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

MIXING INSTRUCTIONS SEALANT: With a slow speed drill (80 - 100 rpm) and mixing blade, mix part A and B for 5 - 7 minutes.

During mixing make sure that the sides and bottom of the container is scraped, and that the blade is kept below the surface to avoid incorporating air.

If using in Vertical control joints add TROWEL-IT to the mix to attain desired consistency to avoid slumping. Work in small quantities and mix a smaller quantity first to gauge TROWEL-IT mixing ratio.

COATING: Power mix with a drill and mixing blade thinning 5 - 20% with acetone then apply with brush and roller.

APPLICATION SEALANT: Always apply a specified primer to seal the control joint before applying EPDM. If a backer rod is installed, Prime first, install Rod and then install EPDM.

Pour mixed product into the joint OR a use sealant gun with the correct size nozzle for the joint. Fill joints from bottom up

SPRAY
Not recommended

BRUSH/ROLLER
Use an epoxy safe sleeve for use as coating.

CLEAN UP
EPOTEC 107

APPLICATION NOTES COATING COVERAGE: information on this TDS is as a coating only.

SEALANT COVERAGE - Typical usage: 50mm deep x 6mm wide x 6.7m per 2l kit
Contact Cotec Technical for coverage rates as a sealant.
Refer to Cotec Application Guide: PS-E025 SEALING JOINTS prior to use.

THINNING Acetone

COATING TECHNOLOGIES LIMITED

10 Andromeda Crescent, East Tamaki, Auckland 2013 Ph +64 9 837 0897 www.cotec.co.nz

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from the date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.



ENVIRONMENTAL This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

COATING TECHNOLOGIES LIMITED
10 Andromeda Crescent, East Tamaki, Auckland 2013 Ph +64 9 837 0897 www.cotec.co.nz

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from the date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.