TRUEPREP SURFACE CLEAN

TDS99-520

DESCRIPTION	TRUEPREP SURFACE CLEAN is a powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces to enable over coating where a high degree of surface preparation is not possible, especially on industrial paints such as 2 pack epoxies, and 2 pack urethanes. It is normally used neat but can be diluted with water up to 10 parts for restoration of aged painted surfaces, or general cleaning and degreasing prior to paint preparation.
TYPICAL USES	All exterior surfaces
ENVIRONMENT	Exterior
PERFORMANCE	DO NOT allow to dry on to the surface or a whitish residue will be left on the surface and re-application of Trueprep Surface Clean will be necessary to remove this residue.
LIMITATIONS	DO NOT allow to dry on to the surface or a whitish residue will be left on the surface and re-application of Trueprep Surface Clean will be necessary to remove this residue.
TECHNICAL DATA	Resin: Acrylic Product Type: Solution of Surfactants Solvent: Water Appearance: Opaque Primer: Not applicable Durability: Good Thining and Clean Up: Water Pack Size: 99-520.05, 20 VOC: 0 Vol Solids: 0 percent Touch Dry: 15 minutes @20°C Recoat Time: 1 Hour @20°C Number of Coats: Varies with specification. Theoretical Coverage: 7 m²/litre/coat Wet Film Thickness: 0 microns Dry Film Thickness: 0 microns
SPREAD RATE	5-10 - m²/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	99-520.05 99-520.20

SURFACE PREPARATION

Powdercoated Steel-Aged Unpainted Good

Do not paint over previous painted surfaces. This specification applies only if the substrate is in good, aged condition, i.e., perhaps chalked and faded and no signs of delamination but colour or sheen refinishing.

Always prepare a test area prior to commencing the project. The test area should be prepared using the full procedure as below. Once test area is completed, leave to cure for one week and check for adhesion using Washi #2 Medium adhesion tape, with cross hatch method. If adhesion is good, proceed as below:

1 Identify the substrate. If Powder coated Aluminium or ACM Panel that has not been previously painted proceed to step 2.

2. All surfaces must be clean, and free of dirt, grease and any other surface contaminants. A thorough clean of all surfaces with TRUEPREP SURFACE CLEAN followed by water blast is recommended.
Then clean the surface to be painted with Prepwash/Prepsol (Wax n Grease Remover) wipe on wipe off method using clean white rags. Clean repeatedly until the entire surface to be painted is completely clean and contaminant free.

3. Where practicable dustless DA Sand the surface with P320 grit, Dust extraction is highly recommended to contain dust onsite and prevent surface contamination post spraying. If DA sanding isn't possible, hand or block sand to fully de-gloss all of the surfaces will suffice, particularly for aluminium joinery. Alternatively De-Gloss surfaces with Medium-Course Scotch-brite pad. (Scotch Brite can be used when cleaning (2 above) to save time if sanding is not practicable). The critical action here is to achieve an adequate key to the surface of the powder coating whilst retaining the integrity of the powder coated steel.

4. Repairs: treat as per Automotive process finishing with P320 grit. Fill any defects (if any) with Automotive filler suitable for non-Ferrous Metal. DA Sand and dust ,

5. Clean and prepare for Primer. Clean with compressed air or tack cloth. Regularly fold tack cloth to ensure clean cloth to surface for total removal of sanding dust.

6. Detail mask lifting window rubbers and Sealed Joints, if possible, use Washi #6 Tape. Note: When Painting paint under it not around it.

7. Etch prime substrate with EPS-10 ETCH PRIMER, allow to dry. Note: apply with Pressure Pot, HVLP or Airless with fine finish tip. Work and apply product in the shade. Super-hot surface temperature can compromise how the coating looks visually and can affect performance. (Unless you are in cold climates when you need direct sun to keep the surface above 10)

8. Dustless DA , or hand sand to P400 grit to de-nib.
a. if any mild filling is required follow with Dulux Autosolve 1K primer surfacer / filler.
b. Allow to dry and Dustless DA or hand sand to P400 grit.
c. Tack Rag clean prior to applying topcoats.

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.

Decramastic-Aged Unpainted Poor
Prior to working on the roof firstly access if the surface contains Asbestos. If it does ensure all work is carried out by a suitably qualified Asbestos Certified contractor to local council requirements.

If any areas of moss or mould infestation exist, treat them with TRUEPREP GREEN KILL, following instructions on TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and up to four weeks for sterilization before scrubbing or water-blasting for removal of the detritus. For heavy infestations, longer dwell time or additional applications may be required.

Soft Wash using TRUEPREP SURFACE CLEAN applying by pump spray and broom. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Carefully water blast or thoroughly rinse with high volume water to remove all dirt, grease and surface contamination.

All areas of rust or corrosion must be abraded using wire brushes, grinder or sandpaper to remove so little or no corrosion is left on the surface. Ensure not to damage the integrity of the substrate.

Inspect the substrate prior to applying any coating system to ensure there are no surface defects exists.

SURFACE DEFECTS: Repair as required. Particular attention should be given to any dented/buckled tiles. Any tiles that cannot be repaired should be replaced. Check all fixings, ridges, flashings and valleys to repair if possible or replaced as required. At this stage identify areas requiring re-chipping and provision materials.

RUST: Treat the affected areas with TRUEPREP RUST KILL to remove residual rust, white rust and remaining surface contaminants and clean the metal prior to painting. Rinse clean as per manufacturers recommendations. If the substrate is not passivated in this way, it is likely that corrosion will occur under the new paint film.

When dry immediately apply specified coating system to prevent any contamination or further corrosion.

Pre-Cast, Tilt Panel-Aged Unpainted Poor
If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces. Wash down thoroughly or water-blast at pressures up to 3000psi to achieve the same result. Refer to the TDS for all general information and application.

Test - To identify if residual form oils are present, spray water onto the surface. Where the water beads and does not wet the concrete, the affected areas will need treating. Follow the same process noted above.

Ensure the substrate is fully dry.

ASTM D4263 Standard test method for indicating moisture in concrete by the plastic sheet method. This method involves taping a polythene sheet (100 micron) 460 x 460 millimeters square on to the concrete surface for at least 16 hours. If moisture collects under the plastic sheet during this time, it is an indication that the concrete contains too much moisture for good adhesion. On large areas of concrete this method should be repeated at several points to ensure uniformity throughout the concrete.

Rake out cracks greater than 1 millimetre wide, bugholes and damaged areas to remove
all loosely bound material.
Fill cracks and holes up to 15mm deep, using Epotec Trowelable Epoxy. Fill and prime as required by the relevant manufacturer's instructions.
Fill cracks and holes less than 3mm deep, using Epotec 1:1 Bog (Fairing Cream) Compound. Fill and prime as required by the relevant manufacturer's instructions. Cracks measuring less than 1mm should have Elastomer 888 brushed into them.

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.

Pre-Cast, Tilt Panel-Previously Painted Good
If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces. Wash down thoroughly or water-blast at pressures up to 3000psi to achieve the same result. Refer to the TDS for all general information and application.

Ensure the substrate is fully dry.

All areas that have poor adhesion from peeling, flaking, cracking must be scraped, sanded, power sanded to a sound substrate. Feather the edges of the sound paint to remove the sharp edges and ridges, wash or dust off to remove all debris.

Rake out cracks greater than 1 millimetre wide, bugholes and damaged areas to remove
all loosely bound material.
Fill cracks and holes up to 15mm deep, using Epotec Trowelable Epoxy. Fill and prime as required by the relevant manufacturer's instructions.
Fill cracks and holes less than 3mm deep, using Epotec 1:1 Bog (Fairing Cream) Compound. Fill and prime as required by the relevant manufacturer's instructions. Cracks measuring less than 1mm should have Elastomer 888 brushed into them.

Pre-Cast, Tilt Panel-Aged Unpainted Good
If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces. Wash down thoroughly or water-blast at pressures up to 3000psi to achieve the same result. Refer to the TDS for all general information and application.

Test - To identify if residual form oils are present, spray water onto the surface. Where the water beads and does not wet the concrete, the affected areas will need treating. Follow the same process noted above.

Ensure the substrate is fully dry.

ASTM D4263 Standard test method for indicating moisture in concrete by the plastic sheet method. This method involves taping a polythene sheet (100 micron) 460 x 460 millimeters square on to the concrete surface for at least 16 hours. If moisture collects under the plastic sheet during this time, it is an indication that the concrete contains too much moisture for good adhesion. On large areas of concrete this method should be repeated at several points to ensure uniformity throughout the concrete.

Rake out cracks greater than 1 millimetre wide, bugholes and damaged areas to remove
all loosely bound material.
Fill cracks and holes up to 15mm deep, using Epotec Trowelable Epoxy. Fill and prime as required by the relevant manufacturer's instructions.
Fill cracks and holes less than 3mm deep, using Epotec 1:1 Bog (Fairing Cream) Compound. Fill and prime as required by the relevant manufacturer's instructions. Cracks measuring less than 1mm should have Elastomer 888 brushed into them.

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.

Pre-Cast, Tilt Panel-New Unpainted
Full Cure for new Pre-Cast, Tilt Panel/ concrete – This normally takes approximately 28 days. This gives full cure of the concrete but does not mean that the concrete is dry enough to paint.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces. Wash down thoroughly or water-blast at pressures up to 3000psi to achieve the same result. Refer to the TDS for all general information and application.

Test - To identify if residual form oils are present, spray water onto the surface. Where the water beads and does not wet the concrete, the affected areas will need treating. Follow the same process noted above.

Ensure the substrate is fully dry.

ASTM D4263 Standard test method for indicating moisture in concrete by the plastic sheet method. This method involves taping a polythene sheet (100 micron) 460 x 460 millimeters square on to the concrete surface for at least 16 hours. If moisture collects under the plastic sheet during this time, it is an indication that the concrete contains too much moisture for good adhesion. On large areas of concrete this method should be repeated at several points to ensure uniformity throughout the concrete.

Rake out cracks greater than 1 millimetre wide, bugholes and damaged areas to remove
all loosely bound material.
Fill cracks and holes up to 15mm deep, using Epotec Trowelable Epoxy. Fill and prime as required by the relevant manufacturer's instructions.
Fill cracks and holes less than 3mm deep, using Epotec 1:1 Bog (Fairing Cream) Compound. Fill and prime as required by the relevant manufacturer's instructions. Cracks measuring less than 1mm should have Elastomer 888 brushed into them.

Unglazed Brick, Terracotta Roof Tiles-Aged Unpainted Good
If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces.
Refer to the TDS for all general information and application.

Note: Terracotta Roof Tiles – All Roof Tiles, Valleys, Ridges, and Barges should be inspected for cracks and damages and replace where required. Where Ridges and Barges are replaced, will require repointing. This should be done by a qualified roofing applicator.

Bricks - Check Bricks for Cracks and damage. This may require some form of filling or modified Silicone sealant where possible.

Butynol and modified Bitumen-Previously Painted Good
Allow to Soft-Wash the Roof using TRUEPREP SURFACE CLEAN by pump spray or brush. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Wash down thoroughly to remove all dirt, grease and contaminates. Allow to fully dry prior to continuing.

If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

This process may take a few weeks to kill off the growth before it can be removed.

Inspection to should be done to ensure that any repairs required is completed prior to moving forward.

Allow to scrape and sand all flaking paint. Thoroughly scrape and sand to remove all loose and flaking paint and to provide a key for topcoats.
Ensure all flaked paint has been thoroughly sanded to a feathered edge. Allow to sand any sharp edges to give a rounded edge for better adhesion. Ensure that bituminous is not damaged for scraping and sanding. Wipe surface with a damp rag to remove all dust.

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.

Butynol and modified Bitumen-Aged Unpainted Good
Allow to Soft-Wash the Roof using TRUEPREP SURFACE CLEAN by pump spray or brush. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Wash down thoroughly to remove all dirt, grease and contaminates. Allow to fully dry prior to continuing.

If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

This process may take a few weeks to kill off the growth before it can be removed.

Inspection should be done to ensure that any repairs required is completed prior to moving forward.

Decramastic-Aged Unpainted Good
Prior to working on the roof firstly access if the surface contains Asbestos. If it does ensure all work is carried out by a suitably qualified Asbestos Certified contractor to local council requirements.

If any areas of moss or mould infestation exist, treat them with TRUEPREP GREEN KILL, following instructions on TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and up to four weeks for sterilization before scrubbing or water-blasting for removal of the detritus. For heavy infestations, longer dwell time or additional applications may be required.

Soft Wash using TRUEPREP SURFACE CLEAN applying by pump spray and broom. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Carefully water blast or thoroughly rinse with high volume water to remove all dirt, grease and surface contamination.

All areas of rust or corrosion must be abraded using wire brushes, grinder or sandpaper to remove so little or no corrosion is left on the surface. Ensure not to damage the integrity of the substrate.

Inspect the substrate prior to applying any coating system to ensure there are no surface defects exists.

SURFACE DEFECTS: Repair as required. Particular attention should be given to any dented/buckled tiles. Any tiles that cannot be repaired should be replaced. Check all fixings, ridges, flashings and valleys to repair if possible or replaced as required. At this stage identify areas requiring re-chipping and provision materials.

RUST: Treat the affected areas with TRUEPREP RUST KILL to remove residual rust, white rust and remaining surface contaminants and clean the metal prior to painting. Rinse clean as per manufacturers recommendations. If the substrate is not passivated in this way, it is likely that corrosion will occur under the new paint film.

When dry immediately apply specified coating system to prevent any contamination or further corrosion.

Decramastic-Previously Painted Good
Allow to Soft-Wash the Roof using TRUEPREP SURFACE CLEAN by pump spray or brush. Additional scrubbing will assist in the breakdown and removal of any difficult contamination. Refer to TDS for application and dilution rates. Wash down thoroughly to remove all dirt, grease and contaminates. Allow to fully dry prior to continuing.

If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional applications may be needed.

This process may take a few weeks to kill off the growth before it can be removed.

Rust: Ensure area to be treated is clean and free of wax, grease and contamination. Remove loose rust with a wire brush or grinder. Ensure not to damage the integrity of the substrate.
Apply Rust Kill with a paint brush, broom or Knapsack Sprayer and allow to penetrate for at least 30 minutes or until the rust changes colour. Thoroughly rinse with water to neutralise the Rust Kill and allow to fully dry prior to applying our specified metal primer and repair as usual.

Repairs
Inspection should be done to identify and if there are any dents in the chip-coated tiles. This should will be popped out where possible. Any tiles that can not be repaired should be replaced.
Check all ridges, flashings and valleys to repair if possible or replaced as required.

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.

APPLICATION	• Can be applied by pump spray pot or brush and is normally left for up to 15 minutes. • Scrubbing with a broom will assist in removing difficult to remove residues. • It can then be rinsed, or water blasted off with water. **CLEAN UP** Water
THINNING	Water
SAFETY PRECAUTIONS	Refer to the Safety Data Sheet for this product prior to use. Please ensure that they are familiar with all aspects concerning safe application of this product, including appropriate personal protective equipment (PPE). If you are unsure about any health and safety aspects of this product, do not use it.
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.