



Solver Paints
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SYSTEM SPECIFICATION

SUBSTRATE: Quik'n Tuff QT® EcoSeries Wall Panel

SYSTEM OVERVIEW:

Panels must be fixed in strict accordance with the manufacturer's written instructions. Surfaces must be clean and free from dirt or any other loose or friable matter.

Solver Line 4496 Solvatex Skim Render with Solvabond Additive is trowel applied to QT® EcoSeries Wall Panel at a thickness of 4-6 millimetres and sheets of fibreglass reinforcing mesh are then embedded into this layer of render. Sheets of mesh must overlap by approximately 100 millimetres. It is critical the reinforcing mesh must be of a correct grade and type suitable for this application.

A second application of Solver Line 4496 Solvatex Skim Render with Solvabond Additive is then applied. After 7 days minimum curing, a coat of Solver Line 4455 Solvatex Acrylic Sealer should be applied.

If a particular texture finish from the Solvatex range is required, it is applied after the application of the sealer.

For finishing, two coats of Solver Line 4495 Solvatex Membrane in the desired colour are applied to achieve the minimum 300 micron dry film thickness required and complete the coating system.

All Solver products must be mixed as per directions and used as per manufacturer's recommendations.

COATING SYSTEM:

1st & 2nd Coat

Solvatex Skim Render – Line 4496	
Application	Approx Spreading Rate
Hawk & Stainless Steel Trowel	12 m ² /20kg bag
IMPORTANT: Fibreglass reinforcing mesh must be embedded into the first application of Solvatex Skim Render. Solvabond must be added to Skim Render at recommended rate. Refer Product Data Sheet.	

3rd Coat

Solvatex Acrylic Sealer - Line 4455	
Application	Approx Spreading Rate
Brush; Roller; Airless Spray	12 m ² /litre

4th & 5th Coats

Solvatex Membrane (Line 4495)	
Application	Approx Spreading Rate
Long Nap Synthetic Roller; Airless Spray	6 – 8 m ² /litre
IMPORTANT: Minimum dry film thickness of 300 microns must be achieved.	

Substrate Condition:

It is the responsibility of the builder, renovator or main contractor to ensure that the surfaces to which the Solvatex systems are to be applied are sound, smooth and even, and in a suitable condition to receive the specified finish. Design and preparation of surfaces should be in accordance with relevant sections of AS 2311 - 1992.

Document current at time of writing. For the most up to date information, please contact the Solver Paints Technical Service Department on (08) 8368 1255

Reference Panel:

The applicator shall apply a "reference panel" of at least 2m², to surfaces which are representative of the full job. Prescribed surface preparation shall be carried out for the panel area. Then the full coating system as specified shall be applied, including specified sealers, texture coats and finishing coats. Colour and texture shall be as specified. When fully dry the reference panel shall be used to verify adhesion to the substrate. It shall also be the basis for agreement as to texture and colour, and shall be replicated as closely as possible in the main work. If it is determined at the time of application of the reference panel that the condition of any surfaces will preclude the proper achievement of the specified finish, the applicator shall notify the main contractor.

Expansion Joints/Day Work Joints:

Expansion joints shall normally be filled after the application of the complete texture system. Care must be taken not to soil or damage the texture system while filling joints. Where expansion joints have already been filled before application, the texture system shall not be applied over the joints. Day work joints shall be by agreement between the applicator and the builder. To ensure uniform appearance, limitations should be made to the size of each continuously coated area, introducing masked "joint lines" where necessary.

Colour Control:

It is the applicators responsibility to check for colour correctness and uniformity between containers before commencing application. Multiple containers of tinted colour should be boxed together to ensure colour uniformity. Large quantities (500 litres or greater) should be ordered factory tinted well in advance of the application date.

Product Storage:

Solvatex products shall be stored in unopened or properly resealed packs. Packs shall be stored in such a way as to protect them from frost and from excessive heat.

Care of Surrounding Surfaces:

The applicator shall take care to mask or otherwise protect any surfaces which are not to be coated. This is especially important where spray application is being used, and may include the protection of structures, the protection or removal of vehicles etc, in any areas where spray mist may carry.

Application Cautions:

Application shall be in accordance with Product Information Sheets relevant to the products specified, including any jointing, patching or skimming compounds. These Product Information Sheets form part of this specification. Attention shall be given to specified spreading rates, minimum application temperatures, and warnings about application conditions, rain etc. During application surfaces shall be protected from contamination between coats, and completed systems shall be protected from rain or frost for 48 hours. Attention shall also be given to Material Safety Data Sheets, as required by relevant legislation.

Disclaimer:

This information is based on data believed by W.P.Crowhurst Pty Ltd to be accurate at the time of writing but is subject to change without notice. It is given in good faith, for the assistance of users and is of a general nature. No legal warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred to herein does so at their own risk absolutely and must make independent determinations of suitability and completeness from all sources to ensure their proper use. We have no control over the conditions under which these products are stored, handled or used, and therefore our recommendations must not be regarded as amounting to legal warranty or as involving any liability on us.

Changes Since Last Issue:

SOLVER LINE 4496 - SKIM RENDER**DESCRIPTION:**

Solver Line 4496 Skim Render is a powder premixed skim coat consisting of a mixture of various size mineral extenders blended with stabilised synthetic powders with the addition of additives based on Portland Cement. When correctly mixed, it produces a levelling membrane that has excellent adhesion and water resistant properties. It has been developed for use on internal and external surfaces that require a rendered finish. It provides an even and consistent sand finish when finished with a sponge ready for the application of subsequent texture coatings and/or paint. SOLVER Line 4496 Skim Render, when mixed with the specified proportions of water and SOLVER Line 4486 Solvabond, can be applied to a thickness of 2.5mm to 5 mm with excellent adhesion and strength. SOLVER Line 4496 Skim Render does not contain lime and is therefore more compatible for the application of water borne paints and textures.

USE ON:

SOLVER Line 4496 Skim Render is an easy to use, single step, trowel on, cement skim render which is suitable for the levelling of a range of masonry and cladding materials such as new unpainted off form concrete, concrete blocks, autoclaved aerated concrete (AAC) block and panels, and brickwork.

It can be finished with a sponge float to produce a render like finish that then must be overcoated with SOLVER Line 4495 Solvatex Membrane or SOLVER Line 4476 Solvatex Armourclad Low Sheen.

DO NOT USE FOR ANY PURPOSE OTHER THAN AS SPECIFIED IN OUR LITERATURE.

The coating must not be subjected to hydrostatic pressure.

COVERAGE:

Varies significantly depending on the roughness of the surface, and the type of application process used. As a guide an average spreading rate of 3 to 6 square metres per 20 kg bag may be expected when applied at the recommended film build of 5mm or 2.5mm respectively per coat.

SURFACE PREPARATION:

Surface preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To ensure full performance of the product, application must be carried out in accordance with the recommendations below.

All sheeting material must be fixed and joints filled and flushed strictly in accordance with the manufacturers recommendations.

CONCRETE BLOCK, AUTOCLAVED AERATED CONCRETE (AAC) BLOCK AND PANELS, BRICKWORK. I.E POROUS SURFACES

All substrates must be free of dirt, grease, oil, mould, release agents, bond breakers or any other contaminants that may interfere with adhesion of the product. Fresh cementitious substrates must be left for 6 weeks prior to coating. To ensure optimum coating performance, the moisture content must be less than 15% Wood Equivalent. Where substrates are of low porosity or adhesion to difficult substrates is of concern, a Solvabond Key Coat should be used, (Refer Product Information Sheet TEX-4486-01).

MIXING:

Mix powder thoroughly with a 20% (1:4) blend of SOLVER Line 4486 Solvabond and clean potable water using a powered blade stirrer reaching to the bottom of the container until a compact, workable, homogeneous paste is obtained.

The blended material must be gauged accurately using measuring jugs or gauged buckets. Any variation to the mixed quantities to those recommended will affect the final product and may contribute to eventual failure of the system. Under no circumstances is water alone to be mixed with the powder. DO NOT ADD EXCESS LIQUID.

As a guide, 4 litres of the Solvabond/water blend is required per 20kg bag.

Once mixed, the SOLVER Line 4496 Skim Render has a pot life of approximately 3 hours. Do **not** mix old material with freshly mixed material.

APPLICATION:

SOLVER Line 4496 Skim Render is best applied with a stainless steel trowel to a minimum thickness of 2.5mm but not exceeding 5mm in a single application. It can then be worked with a sponge to achieve a sand finish or wooden float if further texture finishes are to be applied. For builds between 8mm and 10 mm, two applications of render will be required.

DO NOT APPLY WHEN EITHER THE SUBSTRATE OR AIR TEMPERATURE IS BELOW 12°C OR ABOVE 35°C (or is likely to go outside this range before the paint can dry thoroughly). Do not apply when humidity is extremely high or when condensation or rain can affect the painted surface before it is fully dry.

In hot, dry, windy conditions care must be taken to prevent the overuse of water in the mixture and not to allow the surface to dry quickly as this will affect the curing and the final strength of the Render. Re-wetting with a fine mist spray of clean potable water 2 to 3 times per day for several days will assist in the curing process and final strength.

DRYING TIMES:

When temperature is around 25°C and 50% Relative Humidity:-

For further applications of Skim Render allow 12 hours.

To recoat with Solvatex Texture Finishes allow a minimum of 7 days.

Under cooler or humid conditions allow longer times.

Do not apply in wet or rainy conditions

Freshly applied material must be protected from frosts and rain for a minimum of 48 hours.

CLEAN UP:

Clean tools and equipment with water immediately after use

COATING SYSTEM:

Solver Line 4496 Skim Render is the first part of a complete system. It is not a system in itself. It **must** be overcoated to achieve further enhancements which include improved colour uniformity, improved long term appearance on weathering and increased resistance to mould and fungus. This will be achieved when overcoated with SOLVER Line 4476 Solvatex Armourclad Low Sheen or SOLVER Line 4495 Solvatex Membrane.

COLOUR:

Grey

SIZES:

20 kg bags.

CAUTION:

If Skim Render gets into eyes DO NOT RUB. Wash immediately with plenty of water. **PROVIDE ADEQUATE VENTILATION DURING USE.**

KEEP OUT OF REACH OF CHILDREN

FOR FURTHER SAFETY INFORMATION REFER TO MATERIAL SAFETY DATA SHEET OVERLEAF AND ALSO PRODUCT INFORMATION SHEET SS-100.

CHANGES SINCE LAST ISSUE:

MIXING: Change blend ratio

SOLVER LINE 4496 – SKIM RENDER

HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

DESCRIPTION:

Skim Render is a powder premixed skim coat.

MANUFACTURER'S NAME:

W.P. Crowhurst Pty. Ltd.,
560 Churchill Road, Kilburn. 5084

HAZARDOUS INGREDIENTS:

Silica crystalline – quartz (5 – 15%)

TRANSPORT OF DANGEROUS GOODS CLASSIFICATION:

Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Flash Point - Non flammable.

HEALTH HAZARD INFORMATION:

Symptoms of Over-exposure.

Skin - repeated contact could cause minor irritation. Irritating to eyes.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes.

Flush thoroughly with water for 15 minutes. Seek medical assistance.

Skin.

Wash thoroughly with mild soap and water. Launder contaminated clothing before re-use. Seek medical assistance if irritation occurs.

Inhalation.

Remove to fresh air. Keep warm and at rest. Apply artificial respiration if not breathing. Seek medical assistance if discomfort persists.

Ingestion.

Rinse mouth out with plenty of water. For advice, contact a Doctor or Poisons Information Centre. Phone Australia 131126. DO NOT induce vomiting. Give a glass of water.

SPILL OR LEAK PROCEDURES:

Absorb on inert absorbent material. Collect and seal in labelled drums for disposal. Wash down area with excess water.

WASTE DISPOSAL METHOD:

Refer to appropriate waste disposal authority.

SPECIAL PROTECTION INFORMATION:

Ventilation Requirements.

Provide adequate ventilation.

Respiratory Protection.

Nil under normal conditions of use. Respiratory protection may be required if adequate ventilation is not provided.

Eye Protection.

Safety goggles.

Protective Gloves.

Impervious Gloves.

Protective Clothing/Other.

Nil.

SPECIAL PRECAUTIONS:

Store at room temperature. Prevent from freezing.

FIRE FIGHTING & EXTINGUISHING PROCEDURES.

Under normal conditions will not burn. If involved in a fire, however, toxic gases may be given off. Wear self contained breathing apparatus.

N.B. THIS IS NOT A FULL WORKSAFE AUSTRALIA FORMAT MATERIAL SAFETY DATA SHEET. FULL MATERIAL SAFETY DATA SHEETS ARE AVAILABLE ON REQUEST FROM THE ABOVE ADDRESS.

FOR FURTHER USER INFORMATION REFER TO PRODUCT INFORMATION SHEET OVERLEAF.

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