



WETSUIT

BUILDING PRODUCT QUALITY PLAN

March 2015

For New Zealand and Australia

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COMPANY BPQP POLICY STATEMENT

Management of quality and risk management for distribution and application of our products are critical for New Zealand, Australia and the Pacific Islands; therefore adherence to the BPQP Manual is paramount. Quality starts at the source, with a manufacturing BPQP in place we must also adhere to the strict guidelines to make sure that the product delivered then applied to the end user is the very best product possible and will do as the product warranty issued states. Non-adherence to the manual will mean the quality may not be there for the total process and that exposed risk of product or application failure.

The BPQP is designed to make sure that the very best is delivered to the end user, doing what it is stated the products will do without question and also be durable beyond the warranty periods.

We are committed to enforcing this plan and we will not tolerate any deviation from them. We are also committed to constantly reviewing the BPQP to continue to improve our delivery to the end user.

Neptune NZ Ltd

Introduction

Neptune NZ Ltd was formed in 2013 for the importation of WetSuit from the USA for distribution to New Zealand, Australia and the Pacific Islands. We believe these products will enable savings within the building industry and these products will fill the gap currently in the market places that we have distribution for.

We have sort CodeMark Certification for these products from the Building Element Assessment Laboratory (BEAL) to carry out an appraisal of our products. The appraisal will demonstrate to Councils, clients and our applicators that the products covered by the appraisal when installed to our technical manual, will comply with the relevant clauses of the New Zealand Building and the Australian Building Codes.

Neptune NZ Ltd contact details are;
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Reference Documents

1. Building Act 2004 and Amendments
2. Building Regulations and Building Code for New Zealand & Australia
3. Compliance documents supplied by the Department of Building and Housing and the Australian Building Codes Board.
4. BEAL's standard for a Building Product Quality Plan
5. Technical information supplied by Neptune NZ Ltd
6. Data sheets for Wetsuit System – Appendix A
7. Trade literature supplied by Neptune NZ Ltd
8. Neptune NZ Ltd Products Installer Training Manual
9. BEAL Appraisal Document: This and all other relevant records are kept in a lever arch folder marked BEAL BPQP, plus on our server under BEAL BPQP.

Products covered by this BPQP

	Product	Scope of Use
1	The WetSuit System	roofs, balconies, gutters, podiums, ponds and many others uses, refer to Neptune NZ Ltd

Product Quality & Performance

WetSuit® has been developed after many years of research and development and is manufactured to very strict ISO2001 criteria and has passed CodeMark audits. As a result; with the installation methodology adhered to the finished product is of a very high standard.

With minimum thickness of 1.5mm the WetSuit black product gives a finished application with no joins, and an even finish over the surface of the substrate. The WetSuit 2 Part product cures within 5 seconds, fully cures within 5 days and is then able to be walked on by other trades. We do recommend that the product is covered to avoid unnecessary damage that others trades may cause.

The product is a fast curing liquid rubber product that is very durable as detailed in our Features and Benefits schedule. The finish of WetSuit 1 part is smooth and this product is self-leveling. The WetSuit 2 Part product has a dimpled finish and is spray applied only.

We recommend that both products be cleaned annually to avoid buildup of dust, dirt, moss and mould. After the cleaning process, a check should be done to be sure that there is no other damage that may need attending. This process is the same for ALL roof products and is just good housekeeping.

The products, applied by a registered, approved applicator, will be warranted for between 5 and 15 years. WetSuit products can withstand our UV light conditions, our heat and cold; including snow, ice and frost. An added benefit of this product is its ability to withstand sharp objects falling onto it without penetration or puncture.

WetSuit is designed to be simple to apply, robust against all weather conditions, durable and will perform as detailed in our Features and Benefits schedule.

KEY RISKS IDENTIFIED

1. Importation:

- Orders are made on the manufacturer in sufficient time to meet demand for distribution area
- Shipping times meet the requirements of the company
- The Manufacturers are meeting their BPQP requirements
- Batch and date numbers are displayed and show that they are less than 3 months since manufacturing. These are labelled on the drums of product, checked against inwards goods documentation showing details, also confirming batch tests completed and meets the required standards.
- The freeze indicator is not broken
- Documentation is received in time from the manufacturer for customs
- Once per annum test results of all batches sent from manufacturer to NNZ

2. Distribution in New Zealand and Australia:

- Purchase order form is required by email to Neptune NZ Ltd (NNZ)
- Applicators account is current
- Applicator has insurance in place for transportation and has public liability insurance
- Confirmation confirmed back by email with the terms and the amount being invoiced
- Product dates and batch numbers are checked and recorded
- Applicator has acceptable storage for product, in particular against freezing and excessive heat
- Applicator has ability to unload product when delivered

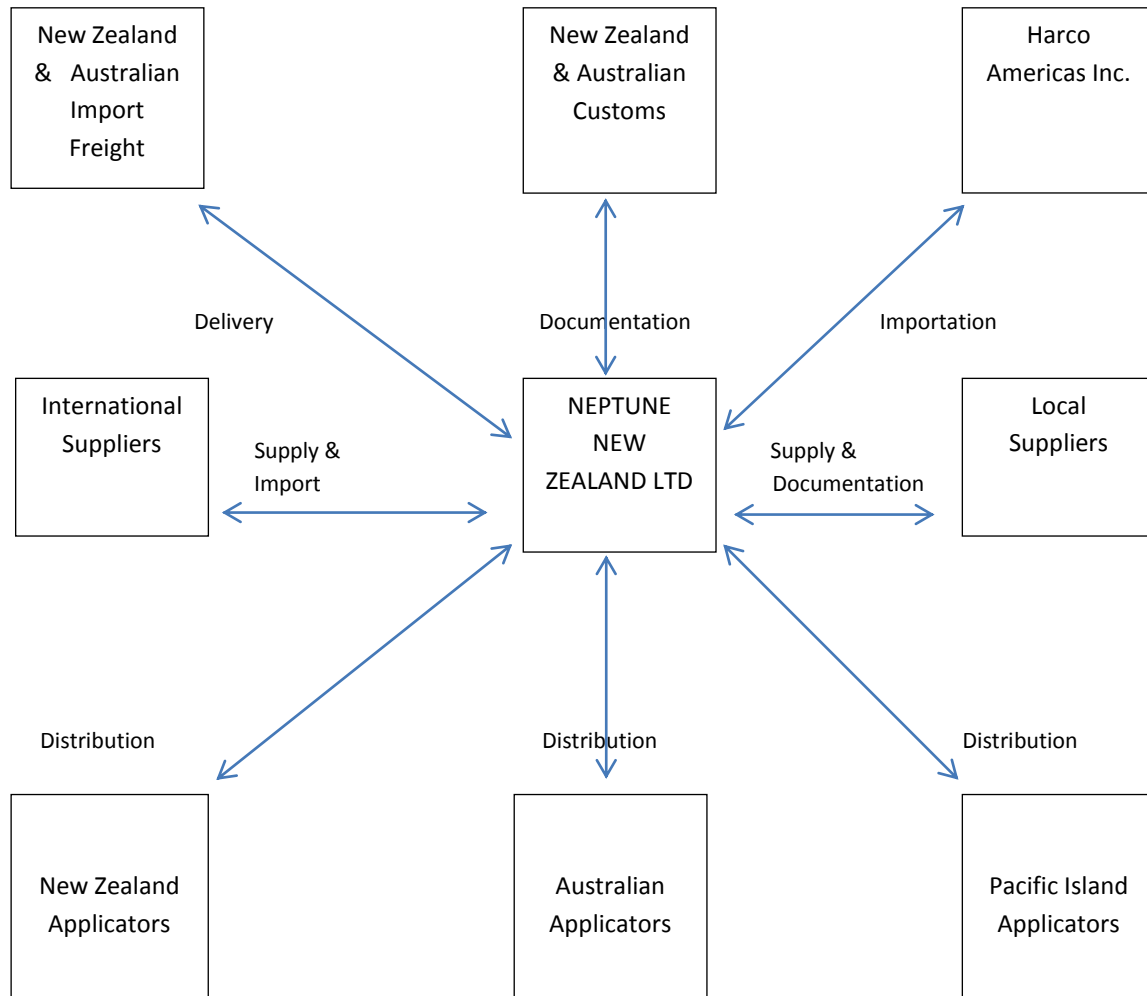
3. Application:

- Existing substrates are acceptable for application of products. Pre-Qualifying application is required to be sent to Neptune New Zealand Ltd along with photos
- Jobs are pre-approved by Neptune New Zealand Ltd prior to application and product specification issued where necessary
- Post application certificate completed

4. Quality Assurance

The Manager is responsible for ensuring all relevant risks are monitored, managed and corrected. The QA Manager completes a report once this review is undertaken. This also forms part of the internal audit process.

FLOW CHART OF NEPTUNE NEW ZEALAND LTD - DISTRIBUTION



CHECK SHEET REQUIREMENTS

Importation of Product:

1. Place order
2. Check arrival dates and organize customs agents
3. Check invoice for batch and date of manufacture of product
4. Arrange delivery from port for containers
5. Arrange devanning and product storage

Distribution of Product:

1. Order received on Order Form
2. Order checked for:
 - Account is current
 - Product is available and current
 - Applicator has insurance in place
 - Applicator has required storage facilities
 - Batch and date of manufacture is recorded on file
3. Order confirmation sent with ETA date, tracking number and proforma invoice

These records are kept in a ring binder marked “**Import & Distribution Documentation**” in NNZ offices.

Product Components Specifications & Descriptions

Products supplied by Neptune NZ Ltd:

1. WetSuit 2 Parts
2. WetSuit 1 Part
3. WetSuit Trowel
4. Invisilink
5. WetSuit Under Cover

For Product Specifications please refer to Manufacturer Safety Data Sheets that are held on file or Appendix A in this document.

Features and Benefits

1. WetSuit has **NO** solvents in the product. WetSuit therefore has no VOC's.
2. WetSuit cures within 5/10 seconds. It will be waterproof for rain almost immediately after applying. WetSuit needs 5 days to **fully** cure.
3. WetSuit goes directly over most substrates after water blasting clean. i.e.; plywood, iron roofing, Butynol, EDPM, torch-on, block walls, cement board, Hardies board and planks.
4. WetSuit is designed to have constant ponding, therefore if falls are insufficient; there is no issue with WetSuit.
5. WetSuit is seamless. No laps, no joins.
6. WetSuit can be patched or repaired and remain seamless. Perfect when alterations are being done or for new penetrations, new aerials or air conditioning units.
7. WetSuit is fire resistant.
8. WetSuit is UV stable with tests completed for New Zealand conditions.
9. WetSuit is able to be elongated to 360% of its' finished size, has a memory and withstands sudden impact.
10. Metal roof areas require a fall of 4 degrees if replacing iron, timber roof areas require a fall of 2 degrees if replacing timber. Using WetSuit on these areas require no changes in the degree of fall.
11. WetSuit is very cost effective. A full warranty may be issued even if the falls are not changed. Other systems would require the falls on metal and timber to be changed to meet current regulations in order to offer a warranty.
12. WetSuit applications can be applied at a rate of 250/300m² per day once the application detail work is completed.
13. WetSuit once fully cured can be painted with any colour elastomeric paint.
14. WetSuit can be used as the membrane for a paving system over the top of the WetSuit.
15. WetSuit can be used as the roofing, deck or podium membrane for green roof or warm roof applications.
16. WetSuit has a product warranty of 5/15 years, depending on the type of application, and a workmanship warranty by the Applicator for 2/5 years.
17. WetSuit has a very strict quality control criteria; including photos and moisture content reading before, during and after the application.



INSPECTION AND TESTING REQUIREMENTS

To qualify for the Wetsuit® Warranty the following are required, **IN SEQUENCE**, for each job:

1. Submit completed Warranty Request/Pre-Job Survey form with required “before” job photos
2. Pre-Job conference with the Wetsuit® Distributor before product application
3. Submit Completion of Work form with required “during” and “after” job photos
4. Payment to Distributor for all materials in full, before warranty is issued.

Wetsuit® Membrane Warranty may be issued after all submitted materials are reviewed. Failure to provide the above requirements, **IN SEQUENCE**, voids the ability to obtain a warranty.

PHOTO REQUIREMENTS

BEFORE: Overview – 3 minimum, at least of the following each:

- From the ground
- Overview
- Access point

DETAIL: 6 minimum, include the following:

- | | | |
|-------------------|-----------------|------------------------|
| - Wall Transition | - Seams detail | - Scuppers |
| - Drains | - Parapet walls | - Vertical projections |
| - Roof edge | - AC units | - Skylights |

AREAS OF CONCERN: 2 minimum of each area of concern

DURING APPLICATION: 1 each

- Spray
- Roll or Trowel
- Detail

AFTER: Duplicate photos from same areas in Overview, Detail, and Areas of Concern, **AFTER** installation of Wetsuit ® **BEFORE** top coat, if applicable (or **BEFORE** covered in any way) **AND** after top coat (covered) in its’ final state of completion.



IMPORTANT

- Each job must be individually reviewed by the Distributors' technical representative **PRIOR** to quoting
- Any Pre-Job materials submitted after the start of a job will not be accepted. ("Start" of a job implies any and all work applying to a job to be warrantied, including surface preparation.
- The Distributor does not guarantee a warranty will be issued for every submitted request. Warranty eligibility will be determined after the review of all required submitted materials.
- All invoices due to the Distributor must be paid in full before a warranty will be issued.



WARRANTY REQUEST/ PRE-JOB SURVEY FORM

GENERAL PROJECT INFORMATION

AUTHORIZED APPLICATOR

Company Name: _____ Contact: _____

Contact Name: _____ Contact Ph.: _____

Street Address: _____ Email: _____

Company Phone: _____

PROJECT ID & LOCATION **BUILDING CONSENT NO:** _____

Building Name: _____

Street Address: _____ Legal Description _____

City: _____

Building Use: _____

BUILDING OWNER

Owner Name: _____ Contact: _____

Street Address: _____ Contact Ph. _____

City: _____ Fax: _____

Owner Phone: _____ Email: _____



**WARRANTY REQUEST /
PRE – JOB SURVEY FORM**

ARCHITECT / ENGINEER

Name: _____ Phone: _____

MAIN CONTRACTOR

Name _____ Contact: _____

Street Address: _____ Contact Ph. : _____

City: _____ Email: _____

PRE-JOB PHOTOS: TO BE EMAILED TO INFO@NEPTUNENZ.CO.NZ OR ATTACHED TO THIS FORM.

NOTES:



WARRANTY REQUEST

PRE- JOB SURVERY FORM

Roof hatch or other permanent access? ☐ Yes ☐ No Height(s) of roof(s) : _____

Total M2 to warrant: _____ Job start date : _____

MEMBRANE WARRANTY DESIRED

☐ 5 YR ☐ 10 YR ☐ 15 YR ☐ 20 YR

Proposed mm thickness: _____ * Membrane must be at least 60+ dry mm

PRODUCTS TO BE USED

☐ WETSUIT ☐ WETSUIT 1-PART ☐ WETSUIT TROWEL ☐ INVISILINK ☐ UNDERCOVER ☐ PRIME MATE

SUBSTRATE INFORMATION

Construction Type: ☐ Roof ☐ Deck ☐ Walls
☐ New Construction ☐ Timber ☐ Concrete ☐ Iron

Existing Roof Type:

<input type="checkbox"/> Concrete – PreCast	<input type="checkbox"/> EPDM	<input type="checkbox"/> Deck
<input type="checkbox"/> Concrete – Cast in Place	<input type="checkbox"/> Butynol/Butyl	<input type="checkbox"/> Below Grade
<input type="checkbox"/> Metal – Corrugated	<input type="checkbox"/> Torch On Mineral Chip	<input type="checkbox"/> Green Roof
<input type="checkbox"/> Metal – Tray Deck	<input type="checkbox"/> Torch on – Paint	<input type="checkbox"/> Fountain / Water Tanks
<input type="checkbox"/> Metal – Ribbed	<input type="checkbox"/> Between Slab	<input type="checkbox"/> TPO
<input type="checkbox"/> Walls	<input type="checkbox"/> Other – Specify	

Roof / Deck / Walls Information:

<input type="checkbox"/> Metal Deck _____ Gauge	<input type="checkbox"/> Plywood _____ Thick	<input type="checkbox"/> Concrete _____ Thick
<input type="checkbox"/> Compressed Sheet _____ Thick	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Vents	<input type="checkbox"/> Control Vents	<input type="checkbox"/> Nail/Screw Fixings
		<input type="checkbox"/> Change in surface materials



**WARRANTY REQUEST /
PRE-JOB SURVEY FORM**

Waterproofing:

- ☐ Below Grade ☐ Between Slab ☐ Deck ☐ Paver System
☐ Green Roof ☐ Fountain / Water Tanks ☐ Other _____

Moisture Detection Method:

- ☐ Core Samples ☐ Moisture Meter ☐ Black Plastic Sheet Test ☐ Infrared Thermography
(attach)

Drains / Scuppers:

- ☐ No ☐ Yes – specify number _____

Please note: All above substrates may require moisture survey and/or flood tests.

PRODUCT WARRANTY

Roofing Job No _____ Waterproofing Job No _____

Warranty No _____

Warranty Commencement date _____ Warranty Period _____
(Date of completion of Membrane System Installed)

Building Owner _____

Building Address _____

Qualified Applicator _____

Company _____

Address _____

Phone No _____

Email _____

Products Used: _____ WetSuit® 1 Part _____ WetSuit® 2 Part _____ Trowel
_____ Invisilink _____ Undercover

Thickness: _____ 1.5mm _____ 2mm _____ 2.5mm _____ 3mm

Area of Application (e.g. roof, deck m2) _____

Neptune NZ LTD, warrants that the WETSUIT® membrane system will, subject to the terms set out below, retain its' waterproofing and weather proofing for the Warranty period provided the Membrane system has been installed by an approved Qualified Neptune NZ LTD applicator and in accordance with Neptune NZ LTD current specifications at the time of installation.

This warranty covers only materials supplied by Neptune NZ LTD as the membrane system, which includes the membrane and all accessories provided materials were new and unused at the time of installation, and have not been altered or disturbed thereafter.

CONDITIONS OF WARRANTY

1. WetSuit® Membrane System is not warranted against, and Neptune NZ LTD shall not be liable for loss of waterproofing properties of damaged caused by:



- Any object penetrating the membrane of any mechanical damage;
 - Chemicals or substance other than those approved by Neptune NZ LTD;
 - Any alterations, changes, shifting after installation other than by a qualified applicator of Neptune NZ LTD;
 - Where ponding or standing water exists longer than 72 hours after rain where conditions are non-conducive to drying taking place, and where the Membrane has not fully cured as in Clause 2;
 - Condensation or infiltration of moisture in, around or above walls of the building, or where there is a failure of other building components or building works;
 - Lack of adequate ventilation for the WetSuit® Membrane;
 - Defects, blisters, or delamination in the material, substrate, coating or systems to which the WetSuit® products are attached;
 - Environmental factors or dirt, pollution, fungi, spores, bacteria and biological agents; any accident or intentional or negligent acts, misuse, vandalism or civil acts of disobedience, acts of war or the like;
 - Acts of God including but not limited to acts of nature such as earthquakes, storms, floods, tornados, lightning, explosions and any other such natural causes.
2. In addition to the above limitations, this Warranty will be void and Neptune NZ LTD will not be liable if:
- Membrane has not fully cured for a minimum of five (5) days in average temperatures and without rain; all foot traffic must be avoided during this period.
 - Any alteration or repair is made on or through the Membrane System (including, but not limited to: structures, fixtures or utilities) without prior written authorisation from Neptune NZ LTD;
 - Any alteration or repair is made to the Membrane System by a person other than a Neptune NZ LTD Approved Applicator;
 - The owner of the Building fails to use reasonable care in maintaining the Membrane System, such maintenance to include (but not limited to) those items listed in the Membrane Maintenance information attached to this warranty. Current Preventative Maintenance information is available from our website at www.neptunenz.co.nz. You acknowledge that Neptune NZ LTD has no obligation to notify you of changes to the Membrane Care and Maintenance information; or
 - The Building is moved from the site at which the Membrane System was originally installed.
3. Any change in the aesthetics, colour of finish of the Membrane System, or “Tenting” of the Membrane System due to substrate movement, are not covered by this Warranty.

4. Neptune NZ LTD shall not be liable under this Warranty (or any implied warranties which are not excluded under clause 11) for any consequential, indirect or special loss or damage of any kind whatsoever, or loss of profits, whether under contract, tort or otherwise.
5. Neptune NZ LTDs' liability is in any circumstances limited to (at the option of Neptune NZ LTD) either;
 - Providing for the repair of the original Membrane System
 - Or providing a credit to be applied toward the purchase of a new Membrane System, calculated pro rata, based upon the number of remaining months of the unexpired Warranty Period, using the current material prices for the Membrane System.
 - The maximum pro rata value allowed by Neptune NZ Ltd for repair or credit shall not exceed the original purchase price of the product.
6. The obligations under this Warranty shall only be enforceable against Neptune NZ LTD upon completion of the installation of the Membrane System; completion of the installation contract; and once payment in full has been received for the product and installation supplied.
7. Should any defect occur which requires a remedy under the terms of the Warranty; the defect must be notified to Neptune NZ LTD in writing within fourteen (14) days of discovery. By notifying Neptune NZ LTD, you authorize Neptune NZ LTD to investigate the Warranty claim to assess whether it falls within the terms of the Warranty. Should our investigation of the claim find that the cause is outside the terms of this Warranty, then you acknowledge and agree that Neptune NZ LTD may charge you its' reasonable investigation costs. You agree that Neptune NZ LTD free access to the Membrane System in order to investigate or to affect repairs under the Warranty during normal business hours.
8. Any remedial work required under this Warranty shall be as determined by Neptune NZ LTD and shall be carried out in accordance with the Neptune NZ LTD Specifications by a contractor nominated by Neptune NZ LTD. Neptune NZ LTD does not accept liability for delay in sourcing or inability to match repair materials exactly to those originally installed.
9. Nothing in this Warranty shall require Neptune NZ LTD to shift any fixtures, plant, equipment, flashings or other items so as to allow access to part of any Membrane System to be repaired or replaced. Neither shall Neptune NZ LTD be liable for any costs involved in such shifting or reinstallation.
10. In the event that it is necessary for Neptune NZ LTD to repair or replace any defective Membrane System, the Owner shall provide Neptune NZ Ltd with clear and unrestricted access to the Membrane System. Nothing in this warranty shall require Neptune NZ LTD to remove and/or replace plant, equipment or any other object or substance in order to gain access to the defective Membrane. The Owner shall co-operate in all respects with Neptune NZ Ltd to accomplish the said repair or replacement. The cost of any site visit requested

under a Warranty Claim; which does not reveal any problem relating to the Warranty shall be paid for, at Neptune NZ Ltds' sole discretion, by the party requesting the inspection at the then current trade consultancy rates.

11. This Warranty represents the limit of Neptune NZ LTDs' liability for the Membrane System. All other warranties express or implied, are hereby excluded to the maximum extent permitted by the applicable law.
12. Notwithstanding any other provisions of this Warranty, nothing in this Warranty is intended to limit any condition, warranty, right or remedy available under or imposed by any applicable legislation including, for the avoidance of doubt but without limitation, the Building Act 2004, the Fair trading Act 1986 and the Consumer Guarantees Act 1993) except to the extent permitted by such legislation.
13. This Warranty shall be governed according to the laws of New Zealand and any disputes shall be decided in the courts of New Zealand.
14. **PREVENTATIVE MAINTENANCE REQUIREMENTS**
Maintenance of the Wetsuit® System should be performed at regular intervals to assure that the membrane system will continue to provide service for which it is intended. Suggested maintenance procedures should include:

PHYSICAL INSPECTION:

A thorough physical inspection should be conducted at least semi-annually to determine areas of physical damage to the WetSuit® System.

Should be conducted as follows:

- Inspect all sealant joints for proper adhesion to the substrate and physical damage.
- Inspect drains or scuppers to ensure there is nothing clogging or blocking them.
- Inspect membrane surface to determine if there are any holes, cuts or ruptures.
- Inspect areas that are subject to high abrasion and wear for physical damage.
- Inspect for moss, mould, mildew, and clean off if required

For Neptune NZ LTD

Date



Import, Storage and Dispatch of Product

1. Importation of Product:
 - a) Place Order
 - b) Check arrival dates and organize customs agents
 - c) Check invoice for batch numbers and date of manufacture of product
 - d) Arrange delivery from port for containers
 - e) Arrange devanning and product storage
 - f) File all documents
2. Storage of Product
 - a) The product is stored in a clean dry area until dispatched to the nominated destination.
3. Distribution of Product
 - a) Order is received on Order Form
 - b) Order is checked for:
 - Customer account is current
 - Product is available and current
 - Applicator has insurance in place
 - Applicator has required storage facilities
 - Batch and date of manufacture is recorded on file
4. Dispatch freight note is filled in with all relevant details
5. Order confirmation is sent with ETA date, tracking number and proforma invoice.
6. A copy of the freight dispatch note goes with the product to the customer and the other copies stay in the book for end of the month charge out.

PRODUCT FAILURE/RECALL

1. Isolate immediately
2. Obtain batch numbers and date of manufacture
3. Take sample, courier to supplier
4. Advise supplier in writing
5. Take any other action deemed necessary at that time
6. Record all matters in the BEAL BPQP folder
7. Report to BEAL of any Product failure or recall.

COMPLAINTS REGISTER

A record of complaints will be held on file in our head office NNZ. This record shall include at least the following:

- Date of the complaint
- Address and contact details of complainant
- Site address of complaint if different from above
- Action taken
- Result of action taken

Each applicator must hold a complaints register and this will form a part of our internal audit.

When a complaint is received, immediate action will be taken and shall include

- Immediate contact of applicator involved
- Review of Pre-Job application
- Review of pre-job, during and post job photos
- Review of all other documentation relating to the specific job
- Site visit
- Corrections taken where necessary

This area is critical and must be handled promptly and to the satisfaction of the client.

Any non-conformance or a product or key component shall be reported immediately to BEAL who shall then determine whether an urgent audit or review if the BPQP and Appraisal is required.

Training of Personnel

Installer/Applicators

- All applicators are trained and approved and have completed training complying with our BPQP procedures, especially the use of the Checklists described in the Technical Manual and or in the Building Product Quality Plan.
- A Training Manual describes the training and application of these BPQP procedures.
- A record of each trained and approved applicator will be kept in our Training Register. This register is maintained on our server, plus paper copy filed in a Lever Arch Folder marked Training in our offices.
- A registration number will be issued for each trained applicator and a certificate will be issued. Each certificate will be valid for a period of 2 years. Refresher training will be required before a certificate renewal.

All staff members are trained in the following areas:

1. Safe work practices
2. Product training
3. Application of these BPQP procedures and all checklists

BPQP Management and Audit Responsibilities

Management:

- The overall responsibility for ensuring that this BPQP is implemented is the Managing Director of Neptune NZ Ltd
- A Neptune NZ Ltd person at Neptune NZ Ltd head office will be responsible for carrying out periodic internal audits of this BPQP document and attachments.
- Each Applicator shall be responsible for the onsite application of this BPQP as it applies to their work and shall be responsible for having periodic reviews of their documentation and diary note that are related to the BPQP. In addition each Neptune NZ Ltd approved applicator will complete for each installation the Neptune NZ Ltd **CHECKLIST** and provide photos of the various stages of the install as required in the pre-job through post job warranty requirements.

Audit Requirements:

- This BPQP will be reviewed at least once per year at head office by the management;
- This BPQP of each Neptune NZ Ltd, WetSuit System Approved Installer will be audited at least every year by Neptune NZ Ltd;
- Use will be made of the checklist at the back of the BEAL Auditing Services Ltd Standard Document;
- Records of each audit completed will be filed in the BPQP file in each applicators folder under tab Neptune NZ Ltd, WetSuit Audit, BPQP
- A copy of each audit record shall be forwarded to the Managing Director as soon as practical.
- Where there is non-conformance found, a note for the reason shall be written into the checklist.
- Where the non-conformance is seen to be important, then a meeting with the relevant management people shall be held as soon as practical to:
 - a. determine the importance of the non-conformance;
 - b. determine who shall be responsible for correcting the non-conformance;
 - c. determine whether or not there needs to be a correction or addition to the BPQP documents;

- d. Record when the non-conformance was dealt with and the names of any other parties that may have been involved in achieving the corrective action. These notes should be filed in a manner that enables them to be easily found in the event that there is a repeat of the non-conformance.

APPROVED SUPPLIER CRITERIA

1. WetSuit products are supplied by Harco Americas Inc. and must have in place a BPQP that meets the CodeMark standard and is approved by BEAL. The supplier is subject to audits and must have in place a BPQP that is strictly adhered to.
2. Suppliers of ancillary products to Neptune NZ Ltd must have in place the following to be acceptable to purchase from
 - A Quality Management System that is approved by Neptune NZ Ltd and have a copy of that held on file
 - Machinery purchased and supplied to applicators is new, has warranties and a service plan that is acceptable to Neptune NZ Ltd and the manufacturer/distributor has in place a quality management system approved by Neptune NZ Ltd. A copy of this will be held on file
 - Trading terms that are acceptable to Neptune NZ Ltd

APPENDIX: A

WetSuit 2 – Parts Technical Specifications and MSDS

GENERAL DESCRIPTION

WetSuit® is a water-based, cold spray applied, plural component, quick cure, seamless, rubber roofing, waterproofing, and air vapor barrier membrane.

TYPICAL USE

WetSuit® is designed as a roofing, waterproofing and air/vapor barrier membrane applicable to vertical, horizontal, and overhead applications. Typical uses include roofing and re-roofing, between slab, below grade walls, tunnels, planters, air/vapor barriers, plaza decks and ponds. The WetSuit System may be applied to many niche applications.

PACKAGING

WetSuit® is available in kits of 55 gallon/ 208 liters drums and 5 gallon / 19 liters pails of accelerator weighing approx. 550lbs / 249.5 kg.

Physical Properties	FM & ASTM Test	Result
Color		Brown to Black
Non-Toxic		No Solvents
Shelf Life		1 Year
Minimum Cured Film Thickness		60 mils/1.5mm roofing, 80 mils/2mm vert 100 mils/2.5mm horiz. waterproofing 40mils/1mm air/vapor barrier
Ponding		No effects after 1 year
Hail Resistance	FM 4470	Severe Hail Pass
UV Exposure	FM 4470	Pass
Fire	FM 4470/ASTM E108	Class A on 2"/5 cm slope
Wind	FM 4470	Class 1-990 Over Structural Concrete Class 1-4200 Over Modified
Water Leakage	FM 4470	Pass
Foot Traffic	FM 4470	Pass

Physical Properties	FM & ASTM Test	Result
Accelerated Weathering / Xenon Exposure (1000 hours / 7 years)	ASTM G26 / ASTM G155	No adverse effects
Impact Resistance	ASTM D-3746	No effect
Water Vapor Transmission @ 35 mils /0.9mm	ASTM E96	.0382 WVT / .0554 Perms
Air Permeance @ 40 mils/1mm	ASTM 2178-03	1.57lbs/ft2 / 115kg/m2 .0018cfm/ft2 / 5.5 10-4 m3 .min/m2
Air Leakage @35 mils /0.9 mm	ASTM E283	0.001 (Below detectable limits of test equip. used)

Wetsuit 1 -Part Technical specifications & MSDS

DESCRIPTION

WetSuit® 1-Part is a water-based, seamless, rubber roofing, waterproofing and air/vapor barrier membrane which is spray or roll applied. It cures to a monolithic, highly flexible membrane.

TYPICAL USE

The membrane can be applied to concrete, wood, metal, foam, single ply membranes, coatings and asphalt. Ideal for a variety of applications including roofing, foundations, between slab waterproofing, retaining walls, decks, balconies, patios, shower pans, planters and fountains.

ADVANTAGES

- Performs as a waterproof and air/vapor barrier
- Creates a seamless and monolithic membrane
- Water-based
- Class A self-extinguishing fire rated
- Cold applied
- No VOC's
- No odors or fumes
- Excellent thermal cycling
- 1582% Elongation and full recovery
- UV stable

PACKAGING

WetSuit® 1-Part is available in 5 gallon / 19 Liters pails, 55 gallon / 208 liters drums or 220, 275 and 330 gallon / totes

TECHNICAL DATA

Physical Properties	ASTM Test	Result
Color		Black
Non-Toxic		No Solvents
Shelf Life		1 Year
Cured Film Thickness		60 mils /1.5mm
Ponding		No effects after 1 year
Elongation	ASTM D-412	1582%
Flame Spread	ASTM E-108	Class A
Flame Exposure	ASTM E-108	Class A
Water Vapor Permeability	ASTM E-96	0.26 Perms

Physical Properties	ASTM Test	Result
Water Vapor Transmission	ASTM E-96	0.182 grains
Accelerated Weathering (1000 hours / 7 years)	ASTM G26	No adverse effects
Impact Resistance	ASTM D-3746	No effect
Surface Burning Characteristics	ASTM E84-05	Flame spread index: 20 – Class A Smoke developed index: 200 – Class A

Wetsuit Trowel Technical specifications & MSDS

WetSuit® Trowel is a high viscosity, water-based coating specifically designed as a roofing and waterproofing patch. Applied by trowel or brush, it is ideal for sealing leaky roof penetrations, ducting, flashings, cracks, joints and tears. WetSuit Trowel is ideal on single ply, asphalt, wood, metal, concrete and foam. Additionally, WetSuit Trowel can be used as a waterproofing adhesive for setting tile and stone.

GENERAL APPLICATION

All surfaces must be free of dirt and any loosely adhered coatings. Clean the substrate with soap & water and allow to fully dry. Priming is not required.

Application: Use trowel, brush or roller at a minimum thickness of 150 wet mils / 4mm. WetSuit will shrink about 30% when dry.

Cure time: 4 +/- hours, varies depending on porosity of the substrate, humidity, and temperature. DO NOT EXPOSE TO FREEZING TEMPERATURES BEFORE A FULL CURE IS ACHIEVED.

Application temperature: 40°F / 4° C and rising to 100°F / 38° C

Coverage: 10 sq. ft. per gallon yields 125 dry mils or 1 m² per 4 litres yields 3mm

Shelf life: 1 year @ 50°F / 10° C to 105°F / 38° C

Clean up: Liquid state- Use a liquid detergent in water. / Solid state- Use a citrus based cleaner or mineral spirits. Do not thin. Do not freeze.

FIRST AID

EXTERNAL: Flush with water.

Wash contaminated clothing before reuse.

EYES: Immediately flush with plenty of cool running water for at least 15 minutes, holding eyelids apart.

Get medical attention if irritation persists.

HAZARD RATING

Health 1
Flammability 0
VOC 0
Reactivity 0
Protection 0

STORAGE & DISPOSAL

Keep container closed when not in use. Empty container completely and dispose of in accordance with applicable regulations.

FOR INDUSTRIAL USE ONLY • KEEP OUT OF THE REACH OF CHILDREN

VISCOSITY	140 KU+
SOLIDS CONTENT	68% by Weight
COVERAGE	10 sq. ft. / 1 sqm per gallon / 3.78 litre yields 125 dry mils / 3.12 mm
APPLICATION TEMPERATURE	34°F / 1° C to 110°F / 43° C, Do not allow to freeze
FLAMMABILITY	Class A fire rated, ASTM 108 Flame Spread & Exposure
COLOR	Black
ELONGATION	1550%
CURE TIME	2 hours @ 75°F / 24° C and 60% humidity
ACCELERATED CURE TIME	Instant skinning
PACKAGING	1 and 5 gallon / 3.78 and 18.92 litres plastic containers
SHELF LIFE	1 year @ 50°F / 10° C to 105°F / 40° C
CLEAN UP	Liquid state: Use detergent and water Solid state: Use a citrus based cleaner or mineral spirits

Invisilink Technical specifications & MSDS

Invisilink® Seam Fabric is a lightweight, yet super durable, tear resistant seam fabric. Invisilink® features stitch bonded polyester which is one of the strongest materials available to the roofing industry for use as reinforcement in cold process roofing. Invisilink®'s characteristics provide an unusual combination of high strength properties with good elongation for excellent thermal stress force accommodations. The soft polyesters will readily conform to various roof surfaces such as embedded gravel and standing seam metal roof decks. It is also much easier to handle and apply properly than other soft polyester sheets. Invisilink® is used with UnderCover, WetSuit® 1-Part or WetSuit® Trowel on new construction with seams and gaps more than 1/4" / .6 cm wide and during the rehabilitation of existing roofs.

Technical Data

PHYSICAL PROPERTIES	ASTM TEST	RESULT
Weight		3 oz. / sq. yd./ 0.95 kg/m2
Color		White
Tensile	ASTM D1682	57.1 lbs. / 25.900 kg
Elongation	ASTM D1682	61.65%
Mullen Burst	ASTM D3786	176.8 lbs. / 80.19 kg
Trapezoid	ASTM D117	16.1 lbs. / 7.30 kg

AVAILABLE SIZES
4" X 300' / 10cm x 91 m
6" X 300' / 15 cm x 91 m
40" X 324' / 1 m x 99 m

WetSuit UnderCover Technical specifications & MSDS

UnderCover is a water-based, medium viscosity, self-levelling membrane that can be sprayed, brushed, or roll applied up to 80 mils / 2mm wet vertically. UnderCover is used exclusively under, or between, the WetSuit® products.

UnderCover exhibits a tenacious adhesion to most substrates and is meant to be used in conjunction with Invisilink® fabric to detail penetrations, pre-strip in joints, edging, or cant /fillets strips, or self- level areas.

Technical Data

Viscosity	95 to 100 KU
Solids Content	65% by weight
Coverage	18 sq. ft. / 1.6 m2 per gallon / 3.78 litres yields 60 dry mils / 1.5 mm dry
Application Temperature	34° F to 100° F / 1° C to 43° C Do not allow to freeze
Colour	Black
Elongation	1550%
Cure Time	2 hours @ 75° F /24° C and 60% humidity
Accelerated Cure Time	Instant skin
Packaging	5 and 55 gallon / 18.92 litre and 208 litre containers
Shelf Life	1 year @ 50°F to 105°F / 10°C to 40°C
Clean up	Liquid state: Use detergent and water, Solid state: Use a citrus based cleaner or mineral spirits