Environmental Assessment Registration

NAME OF UNDERTAKING:

Installation/Operation of a Pre-fabricated Paint Booth at ACAN Windows Inc. in Paradise, NL

PROPONENT:

ACAN Windows Inc.
1641 Topsail Road
Paradise, NL A1L 1V1
(709) 782-1556

Chief Executive Officer:
Ted Kwon
President

Main Contact:
Ted Kwon
(709) 782-1556 X225
tedkwon@acanwindows.com

THE UNDERTAKING:

Name of the Undertaking:	Installation/Operation of a Pre-fabricated CSA Approved Paint Booth
Purpose for the Undertaking:	Painting Windows & Doors Products In-house ACAN wants to offer painted windows and doors to accommodate customers' demand.

DESCRIPTION OF THE UNDERTAKING:

i) Geographical Location: map and lay-out (Attachment 1)

ACAN is located on 1641 Topsail Road, Paradise, between Topsail Road and Octagon Pond, adjacent to old and new Paradise town hall, with no other business or residential home in the same block.

ii) Physical Features: specifications (Attachment 2)

The paint booth will be installed and operated inside the building.

iii) Construction:

Supplier will manufacture the booth in Ontario to be inside ACAN building in Paradise, NL.

iv) Operation:

- Workers clean products outside the booth inside the building
- Workers with proper gear spray-paint products inside the booth: Application Process (Attachment 3)
- Air comes in through air make-up unit and exits out through exhaust filter: Diagram (Attachement 4)
- Paint is Water-based and will not generate any pigment or odor in the air: MSDS (Attachment 5)

v) Occupations:

New hire:	two (2) employees
Duration:	permanent
Work:	preparation for painting, painting and special packaging

APPROVAL OF THE UNDERTAKING:

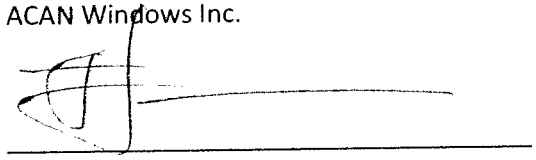
Approval from Town of Paradise (Attachment 6)

SCHEDULE:

Ordering/manufacturing of the booth:	3 to 4 weeks (under production)
Transportation:	1 week
Installation/test/training:	1 week

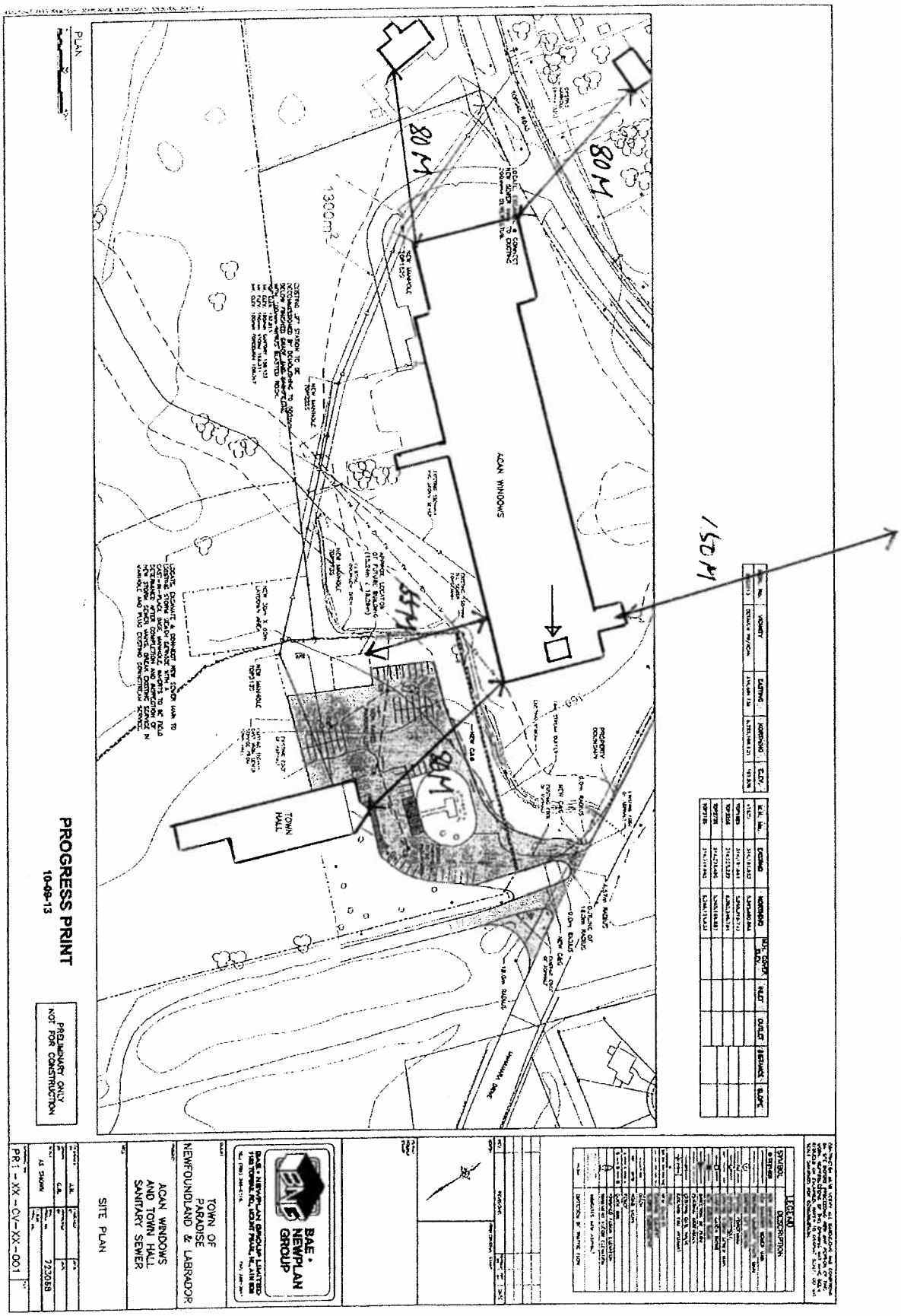
FUNDING: Private

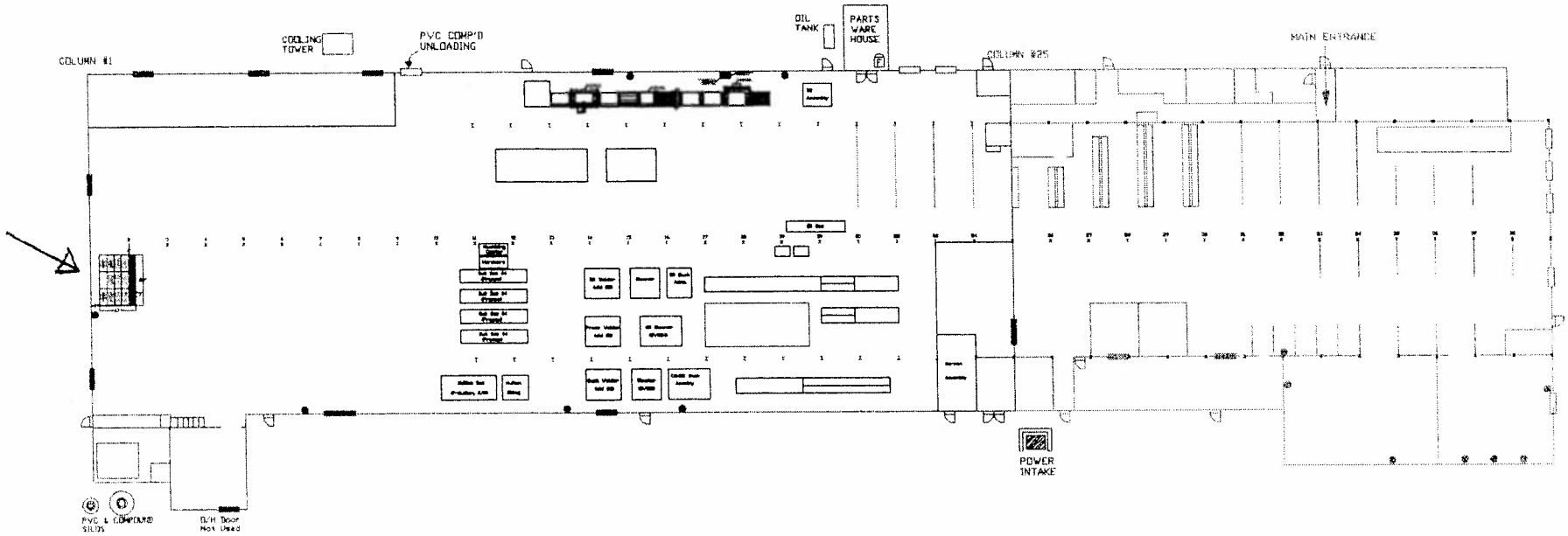
ACAN Windows Inc.



Ted Kwon
President
October 29, 2013

< Attachment 1 >





LOADING DECK
OVERHEAD DOOR
SWING DOOR
ELECTRIC PANEL & BREAKER
FIRE EXTINGUISHER
STEEL BEAM

ACAN Windows Inc.

www.acanwindows.com

ACAN Layout - Plant

Drawing Number: ACAN Layout

Date:	October 17, 2013
Drawn By:	T.Y.Kwon
Scale:	1 : 720 Unit:

<Attachment 2>

Spray Booth and Air Make Up Unit

<u>One industrial semi-down draft Spray Booth Working Area 24'-6"L x 14'-" W x 9'H (Drive Through)</u>

Including:

- All Panels are 18 Ga. Satin Coated steel with Powder coated white color.
- All Roof stiffeners are 12 Ga. Steels with double layers.
- Twelve (12) Light fixtures 4' x 2', 110 V. Outside accessible.
- Two Exhaust Fans 24" Dia. Each including 3 Hp. Motor 575V, 3 Ph, 60 Hz
- One Intake filter section with SSP-Filter s 20" x 20"
- One exhaust Filter section with paint Arrestor
- One front door 9'H x 9' W with view windows
- One Exit door 9'H x 9' W with view windows
- One man door with view window.
- Set of Floor Channels
- Full kit of hardware for Installation.

Two Exhaust stacks kit 24" dia.
Including

- Exhaust pipes
- Roof flashings
- Rain collars
- Discharge Heads.

1 **Interlock kits including** with one Solenoid Valves, one airflow switches and copper tubing.

1 **Model TF3C** Direct Fired; Heated Air Make-up Unit is CSA approved and is required to supply replacement air for the paint booth exhaust fan(s). All units are pre-piped, pre-wired, and factory tested to insure trouble free start up and operation.

CFM:	20,000, 15 HP ODP
BTU:	2250 MBH
Temperature Control:	**<u>90° F</u>** temperature rise in spray cycle . Controlled by remote sensors
Mounting:	Outdoor pad mounted
Fuel:	Natural Gas, 4 to 11 in. of water column pressure required
Heat Exchange:	Direct fired
Weatherizing:	Designed for outdoor installation, G90 galvanized / satin coated casing. All seams are filled with sealant.
Blower Section:	Blower with forward curved blades with externally supported flanged bearings.
Intake/Discharge:	Horizontal
Filter Sections:	V-Bank style with 1" cleanable air intake filters. Access door provided for easy replacement.

Gas Control:

Control cabinet and pre-piped gas combustion system mounted on burner section to **FM** specifications:

- Main gas valve
- Pressure regulator
- Metering valve
- High pressure gas interlock plug valve
- Pilot pressure regulator and pilot gas valve
- Flame rod
- High limit switch
- Air flow switch
- Power transformer
- Ignition transformer and spark plug

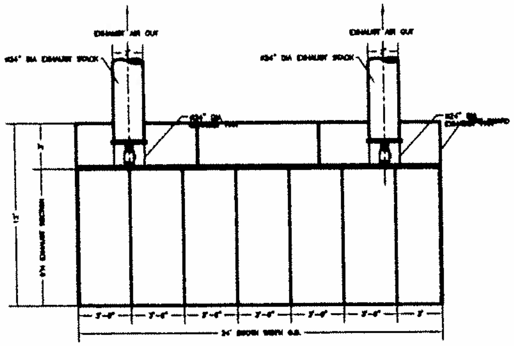
Motor Control:

Control cabinet includes:

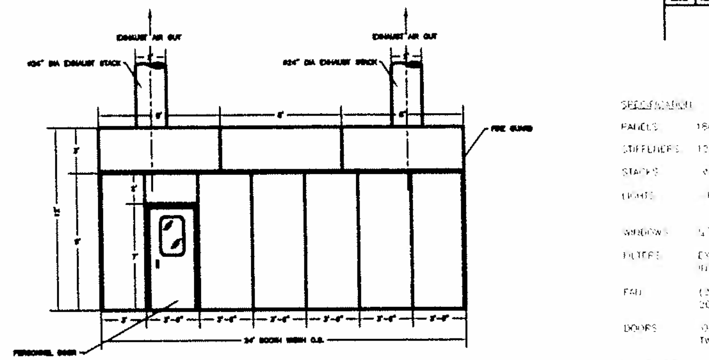
- Main breaker disconnect
- Magnetic motor starters with adjustable overload protection for air make-up unit Motor fuse protection
- Terminal strips for field wiring
- Lighting contactor for booth lights

Test Port:

For measuring pressure drop across burner that has adjustable profile.



LEFT VIEW



RIGHT VIEW

SPECIFICATION

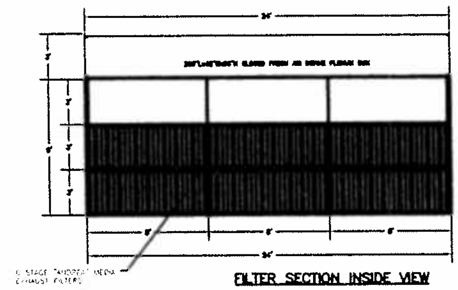
PANELS: 18GA. STEEL WHITE POWDER COAT FINISH
STIFFENERS: 12GA. STEEL WHITE POWDER COAT FINISH
STACKS: Ø24" 18GA. GALVANIZED STEEL
LIGHTS: ROOF (3) FLUORESCENT FIXTURES 4-2' WITH 1/4" WIRE SAFETY GLASS ASSEMBLY VAPOR PROOF
WINDOWS: 1/4 TEMPERED CLEAR GLASS
FILTERS: EXHAUST AIR FILTER: 6 STAGES OF "ANDREAE" MEDIA 30"x30"; INTAKE AIR FILTERS: SSP-20"X20" (24)
FAN: (2)Ø24" C/W NON-SPARKING BLADE; 20,000 CFM 3HP/3PH/575V TEFC MOTOR
DOORS: ONE (1) PERSONNEL DOOR 3'-7" W/VIEWING WINDOW; TWO (2) SETS OF BI-FOLD DOORS 10'W-9'H W/VIEWING WINDOWS

ASSEMBLY

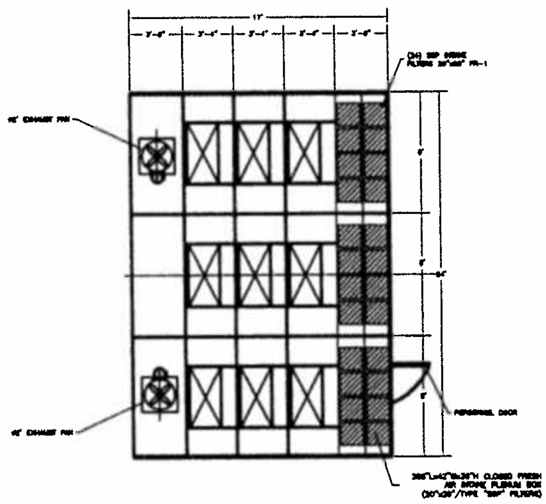
- ALL PRE-PUNCED PANELS BOLTED WITH 5/16"X 3/4"MECH. SCREWS AND NUTS
- ALL OTHER PANELS SCREWD WITH #10X 3/4" TECH
- FLOOR CHANNELS ANCHORED WITH 1/4"Ø X 1 1/2" NAILING ANCHORS (TAM PINS)
- ALL INSTALLATION MUST BE ACCORDING TO ONTARIO FIRE CODE 387-97 SECTION 5.12 & CANADIAN ELECTRICAL CODE C22.1-02 NFPA-33

PRESSURIZED SDD SPRAY BOOTH EXHAUST FAN SCHEDULE

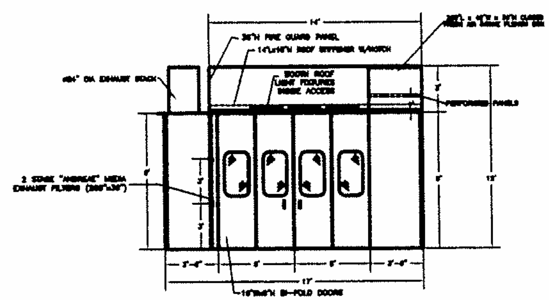
SYMBOL	AREA	LOCATION	MAKE/MODEL	FAN TYPE	QTY	C.F.M.	E.S.P.	POWER	H.P.	UNIT & ACCESS
EXHAUST FAN	SPRAY BOOTH CLEAN ROOM	ON BOOTH	[illegible]	TUBE-AXIAL	2	20,000	[illegible] INCH	[illegible]	3.0	[illegible]



FILTER SECTION INSIDE VIEW



PLAN VIEW



FRONT VIEW

	ACAN Windows Inc.
	PROPOSED ARRANGEMENT OF PRESSURIZED SEMI-DOWN DRAFT SPRAY BOOTH 24'L 12'W 10'H W/ TWO Ø24 DIA FANS
DESIGN	DWG NO. SDD-24-12-10-USB-1 (00)
DRAWN: ... OCTOBER 05, 2005	SCALE: NTS

< Attachment 3 >

AquaSurTech OEM Document
#D200-01-0712
Rev. 01 July 11. 2012

a/Title : Application Process for D200 on PVC

b/ Description : This document explains the process of applying AquaSurTech D200 to PVC using HVLP or other spray equipment.

c/ Required pre-requisite procedure(s):
PREP-01-0712 Rev.01 'PVC Cleaning Procedure'

d/ Products Required :
D200 (regular finish or textured)
D200 Accelerator (unless indicated otherwise)

e/ Expected Coverage:
300 – 350 Square Feet or 800 Lineal Feet of typical frame profile

f/ Optimum Environment:
Enclosed vented paint booth (minimum 12,000cfm, ideal 18,000cfm)
or, dust free area for spraying
Constant air movement while flashing/curing
Proper lighting
Temperature 70 – 90 degree Fahrenheit
Humidity range variant can be compensated through gun adjustment

g/ Tools Needed:
Power mixer or drill with paddle or stirring attachment
Minimum 125 to 40 Micron cone filter strainer or mesh filter
Masking tape
Measuring cup & measuring spoons
Air gun on filtered compressed air system
HVLP gun on filtered compressed air system
Recommended safety equipment (refer to MSDS)

h/ Preparation of substrate:
Mask product if necessary with standard masking tape, or painters tape . The vast majority of masking lines are along breaks in the profile, i.e not in the middle of a flat surface. In these cases, tape can be removed easily, and at any time. If a tape line is along a flat surface, where the paint has been heavily applied to both PVC and the tape, it may be necessary to score the tape/painted interface surface with an exacto knife prior to removing the tape.

For best results it is recommended that the remainder of surface preparation be done in a dust free environment.
Wearing latex gloves for washing and handling product from this point on is a way of ensuring that cleaned product is not contaminated, in the very least, a cleaned surface should not be handled again.

PVC masking tubes are available in 3 sizes at AquaSurTech to accommodate a wide variety of profile shapes and dimensions. These masking tubes are available in 20 foot lengths that can be cut to suit any lineal painting process.

i/ Preparation of Product:
Open paint can and mix entire content thoroughly with power mixer for 5 minutes for 1 gallon, and 10 minutes for 5 gallons . Use a large mixing paddle for 5 gallon container, and be sure to scrape bottom and edges of pail to ensure any settled colorants have been mixed in.
Remove desired amount of paint into a container suitable for mixing (a 4 cup glass container is ideal).

AquaSurTech D200 Accelerator is only required to help cure the coating faster. It has no effect on the ultimate performance whatsoever. For normal fenestration production environments, faster curing is desirable and it should be used unless D200 container labeling indicates otherwise.
Now measure out 5 % AquaSurTech D200 Accelerator for the volume of paint extracted above (500 ml = 25 ml accelerator). Syringes or small measuring spoons are ideal. Begin mixing coating with a power drill and then add the accelerator into the vortex (center) of the paint.
A shaker can be used, however it may introduce air into the coating. We recommend a drill stirrer.
Use coating within 30 days. There is no danger of the paint hardening in the gun.

In the case of a gravity feed or pot style gun, the paint is added to the containers directly. For remote pressure pot designs, it may be more practical to pour the prepared paint mixture into a small plastic water bottle (with top cut off) and then insert the bottle into the pot. This will save cleaning time of the pot. Plastic bags are also available for this purpose. D200 should be filtered through a cone filter strainer or mesh filter before pouring the coating into the spray equipment. A minimum mesh size of 125 Microns to 40 Microns is recommended.

j/ Method

An HVLP gun with a nozzle between 1.8 m.m- 2.0 m.m is mandatory.
Proper ventilation and an organic respiratory mask is highly recommended- this cuts down on any over spray being inhaled by the painter, as well the extraction of overspray minimizes "dry fume" which in turn generates a smoother finish.
Proper lighting is important for good coverage (no shadowing).
An air supply free of moisture and oil is required. The immediate appearance of fish eyes after coating is an indication of contaminated air.

Product may be sprayed horizontally or vertically (Recommendation: if a dust free environment is not possible then spray product vertically)
Relative Humidity should be over 20% at time of application- spray down floor if required.
Surface to be sprayed should be at room temperature, spraying below 60 F is not recommended, adhesion problems could result.
The actual gun settings may vary depending on the gun being used. For a remote pot system, pot pressure should be around 10 PSI, and the gun pressure between 45-50 PSI . The best approach to ensuring optimum settings is to spray onto a piece of cardboard and observe the spray pattern. Ideally there are no paint spots larger than the tip of a very sharp pencil, at the edges of the pattern; the paint should simple fade away gradually. Any notable "dots" , indicates a problem, and you should not attempt to spray the target surface. If the spray pattern is not symmetric, the nozzle may need to be cleaned.
The ideal gun fan length setting , would be around 5" at the desired spray distance. Any larger and paint will be wasted since window profile are normally relatively narrow.

Begin by applying a good hiding fume/fog coat to the entire surface including screen channels, edges, v-grooves, etc. A fume coat is extremely light, it should be dry almost instantaneously (with 30 seconds) if applied properly. A gun adjustment may be required (lower product output) to apply a fume coat, or the speed of application will need to be very fast to ensure only minimal amounts of paint are applied. The substrate should still be visible through the applied fume coat.
The goal at this point is to apply around 3-4 mils of coating (it will dry to 1.5-2.0 mils). This will be achieved if the surface is covered with paint to the point where the surface has been wetted, i.e. observing the surface from an angle under a light source, it should look evenly wet with no dry patches and no runs. Normally 2 passes after the fume are sufficient to achieve a good build (the passes should be such that no running occurs).

Small metal plate gauges can be purchased to measure the wet film, the gauge is placed on the surface, and the wetting of a series of "teeth" is observed.
The gun should have a fan no wider than 4"-5", when the gun is held 4"-5" inches from the surface being sprayed. The tendency to hold the gun further back is very common, this temptation must be resisted. Distances greater than 7" may create too much overspray and also potentially may generate dry patches since the atomized paint may be partially drying while airborne (this will generate a rough finish).

k/ Drying/Curing:
If any kind of forced curing is available (IR, hot air etc..) it is always best to let the freshly coated surface "relax" for a minimum of 5 minutes prior to exposing it- this allows for the natural leveling effects to take place as well as provides some time for air bubbles to release.
The drying of a waterborne coating is determined exclusively by the rate of extraction of moisture from the coating itself. Since the application thickness is relatively thin, this can be achieved anywhere from 2 minutes to 1 day.
The actual cross linking of the coating with the substrate only begins once all the moisture has been extracted, i.e. the curing begins when the drying is completed.
Warning: Adhesion can be impacted if the temperature drops below 50 F anytime during the drying or spraying time.
Examples of Drying Times:
- With a shortwave IR unit- flash off is around 4 minutes- 80% cure in 20 minutes.
- At 75 F- flash off 20 min., 80% cure in 48 hrs.
- at 100 F- flash off 15 minutes, 80 % cure in 12 hours
- At 120 F with air convection – 45 minutes

The above assumes relatively dry conditions less than 50% relative humidity, except in the case of IR where the surrounding environment isn't as important as simple air curing. If product is air dried, dehumidification and air flow over the piece will improve drying times especially during the humid summer months.
In extreme humidity, air drying only (no heat, air flow, or IR) it may take days to achieve a hard marr resistant surface.
The best way of evaluating your specific drying conditions is to perform cross hatch testing on a sample piece at specific time intervals , i.e. score a dense cross hatch pattern with a knife(box cutter) into the painted surface, apply a piece of tape (masking tape works well) , and tear away to see if any delamination occurs. A full cure is not required, to further process painted pieces, depending on the nature of the processing. Cross hatch testing will allow the fabricator to make this determination. A 100% cure will under all conditions be achieved within 1 week, possibly even after the installation of the windows.

If IR or any other forced curing system is used, be sure to not let PVC profiles exceed 140 F. Intensity, stand-off distance, and time must be adjusted accordingly.
Shipping windows with some form of protection is recommended to minimize the possibility of marring. Cardboard corners along with shrink wrap, protective film, or at the least using shrink wrap alone are advised.

l/ Clean-Up & storage:
Rinse gun thoroughly with cold water, it is best to circulate clean water through it for a few minutes. Pressurize the gun and spray water through it until the outgoing stream is clear. On a weekly basis, be sure to take gun apart and do nozzle maintenance.

D200 should not be stored at temperatures below 55 F or above 90F. The shelf life of D200 is 1 to 2 years and must be stored in a controlled environment with occasional stirring.

m/ QC :
Colour verification prior to coating is highly recommended to ensure no mistake is made with the colour selection or labeling.

If spraying a job for that will require the use of 2 separate batches it is best to blend the batches together to avoid any subtle colour or shade differences after completion.

Verification of film thickness can be taken with a wet film gauge during application. Once the coating has cured adhesion should be verified by performing a cross hatch test.

For in-house **QC purposes**, it is necessary to take a small piece of PVC and spraying it along with every new batch of windows. This piece could be tested destructively with a cross hatch adhesion test, and retained on file. It will serve as a color reference, as well as provide proof that the coating was applied correctly. In the unlikely event of any future field issues, AquaSurTech may request this sample.

Painting recycled material, i.e. extrusions where some regrind has been added may generate unreliable adhesion. If this is the case, please send AquaSurTech the substrate for qualification prior to coating.

n/ Optional Follow-On Processes:
If D200 is applied to lineals rather than completed window boxes, painting the welds after assembly will be required. Touch-up bottles may be purchased from AquaSurTech for this purpose. They should be filled with D200 without the use of accelerator.

If damage occurs to the coated surface or the quality of the finish is not desirable from imperfections such as runs or dirt these can be repaired after the coating has partially cured. Imperfections must be sanded with 400+ grit sandpaper and the preparation & application procedure repeated on the affected area.

o/ Alternative Processes :
D200 can be applied by paint brush or roller if desired or in the case of a field touch-up or repair.

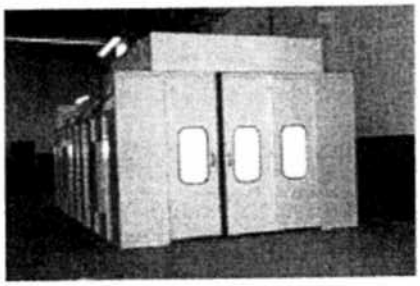
Semi Down Draft

The Semi Down Draft offers the most efficient method of removing over spray without depositing on the wet paint. The booth ceiling is open for direct and complete airflow throughout the entire length of the booth. The air is filtered at the ceiling and drawn under the vehicle instead of along its length to reduce air turbulence and to increase transfer efficiency.

Available in Insulated and Un-Insulated

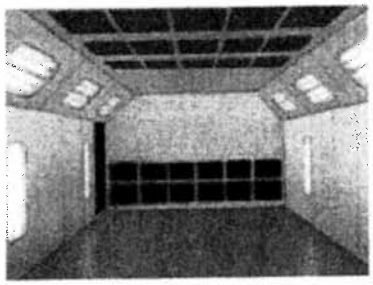
Specifications:

	Inside	Outside
Length:	24'6"	28'
Width:	13'8"	14'4"
Height:	9'2"	11'4"



Construction:

- **Three section system** that is dust tight with pliable rubber door seals and door latch.
- One section functions as a personnel door with easy front access and observation window.
- Two sections open and close as a two-fold system to save space.

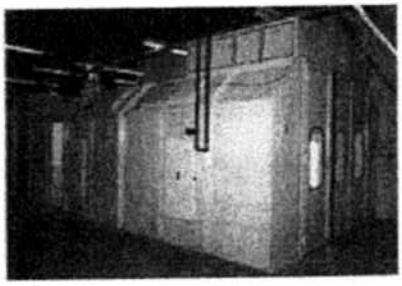


Exhaust System:

- 24" diameter fan with non sparking blade, drive pully and belts (9000 CFM free air).

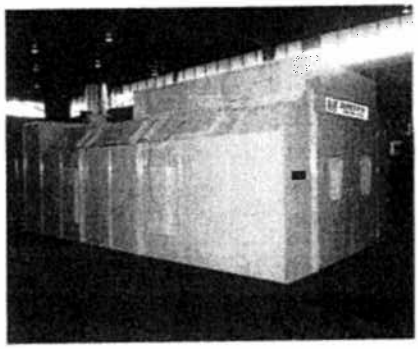
Lighting:

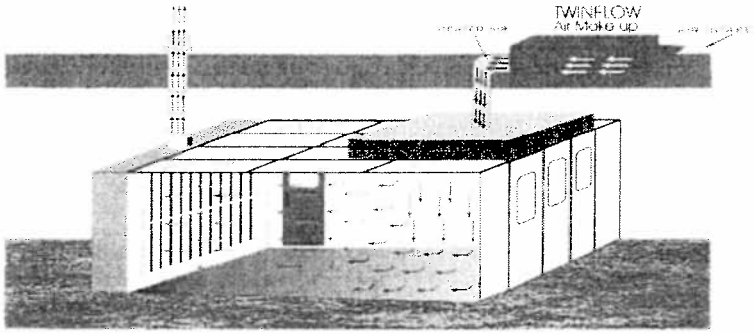
- 10- 4 Lamp flourescent fixtures with 0.25" translucent wired glass.



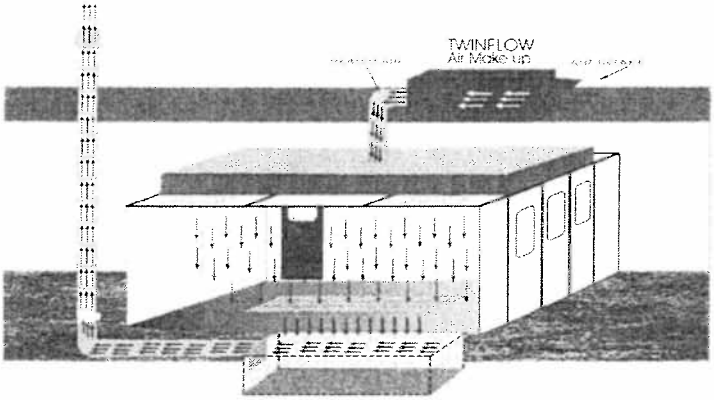
Heavy-Duty Construction:

- 18 Gauge satin coat panels with stiffeners, flanged 4 sides & pre-punched allowing for bolted assembly of the booth walls. All booth panels are painted & come complete with hardware, Caulking, door gaskets & handles.





SEMI DOWNDRAFT



DOWNDRAFT

AquaSurTech
OEM

Painting the World...
Without costing the Earth

AquaSurTech OEM
2148 Trans-Canada Highway
Dorval, Quebec, CANADA, H9P 2N4
Tel.: (514) 684-2628 / Fax: (514) 684-2620
sales@aquasurtech.com

< Attachment 5 >

MSDS Preparation Date (mm/dd/yyyy): 11/10/2012

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product identifier :	**AquaSurTech (D-200)**
Product Use :	Polyurethane-Acrylic Hybrid Dispersion for Coatings
Chemical Family :	Mixture
Manufacturer part no. :	AquaSurTech D-200
Supplier's name and address:	**Manufacturer's name and address:**
AquaSurTech OEM 2148 Trans-Canada Highway Dorval, QC, Canada, H9P 2N4	Refer to Supplier
Information Telephone # : **24 Hr. Emergency Tel #**	(514) 684-2628 (Monday - Friday, 8:00 am - 5:00 pm, Eastern Standard Time)

:

SECTION 2 - HAZARDS IDENTIFICATION

Classification :

WHMIS information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR). WHMIS classification:
Class D2B (Materials Causing Other Toxic Effects, Toxic Material).
Labelling: Phrases recommended to appear on a supplier label, can be found in Section 15.

Emergency Overview :

Milky, white liquid. Slight amine odour.
Warning! May be harmful if inhaled or swallowed. Causes respiratory tract irritation. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May cause central nervous system depression. Causes skin and eye irritation.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation :	May cause irritation to the nose, throat and upper respiratory tract. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. Extremely high exposures may lead to inflammation of lung tissue (chemical pneumonitis), chemical bronchitis and accumulation of fluid in the lungs (pulmonary edema). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.
Skin :	May cause moderate skin irritation.
Eyes :	May cause moderate to severe irritation.
Ingestion :	May cause irritation of mouth, throat, and stomach. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

Effects of long-term (chronic) exposure : Repeated or prolonged exposure may result in kidney effects.

Carcinogenic status : See TOXICOLOGICAL INFORMATION, Section 11.
Additional health hazards : See TOXICOLOGICAL INFORMATION, Section 11.
Potential environmental effects : See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt.%
2-(2-Butoxyethoxy)ethanol	112-34-5	1.00 - 5.00
2,4,7,9-Tetramethyl-5-decyne-4,7-thiol	126-86-3	1.00 - 5.00
2-Pyrrolidinone, 1-ethyl-	2687-91-4	1.00 - 5.00
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H) -isothiazolone	55965-84-9	0.10 - 1.00
Imidazo[4,5-d]imidazole-2,5(1H,3H) -dione, tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)	5395-50-6	0.10 - 1.00
Triethylamine	121-44-8	0.10 - 1.00

SECTION 4 - FIRST AID MEASURES

Inhalation : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. If irritation persists, seek prompt medical attention.

Skin contact : Remove/Take off immediately all contaminated clothing. Wash exposed area thoroughly with soap and water for at least 15 minutes. If irritation persists, seek prompt medical attention.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention/advice.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Notes For Physician : Treat symptomatically. This product is a CNS depressant.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of use. However, may ignite if exposed to extreme heat and flame. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Vapours are heavier than air and collect in confined and low-lying areas.

Oxidizing properties : None known.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Suitable extinguishing media : Dry chemical, alcohol foam, carbon dioxide, or water spray.

Special fire-fighting procedures/equipment

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

Hazardous combustion products

: Carbon oxides; Nitrogen oxides; Aldehydes; formaldehyde; Other unidentified organic compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Spill response/cleanup : Ventilate area of release. Remove all sources of ignition. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.

Prohibited materials : Do not use combustible absorbents, such as sawdust.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures : Use in a well-ventilated area. Wear suitable protective equipment during handling. Do not breathe vapours or spray mist. Do not ingest. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Avoid contact with incompatible materials. Wash thoroughly after handling. Keep containers closed when not in use.

Storage requirements : Store in a cool, dry, well-ventilated area. Keep away from direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Incompatible materials : Strong oxidizing agents; Acids; Strong bases.

Special packaging materials : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

Ingredients	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
2-(2-Butoxyethoxy)ethanol	N/Av	N/Av	N/Av	N/Av
2,4,7,9-Tetramethyl-5-decyne-4,7-thiol	N/Av	N/Av	N/Av	N/Av
2-Pyrrolidinone, 1-ethyl-	N/Av	N/Av	N/Av	N/Av
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone	N/Av	N/Av	N/Av	N/Av
Imidazo[4,5-d]imidazole-2,5(1H,3H) -dione, tetrahydro-1,3,4,6-tetrakis(hydroxy methyl)-	N/Av	N/Av	N/Av	N/Av
Triethylamine	1 ppm	3 ppm	25 ppm ; 100 mg/m³	N/Av

Ventilation and engineering measures

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection : If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists.

Skin protection : Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

Eye / face protection : Chemical splash goggles are recommended.

Other protective equipment : Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations
: Do not ingest. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands thoroughly after using this product, and before eating, drinking or smoking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	liquid	**Appearance :**	Milky, white liquid.
Odour :	Slight amine odour.	**Odour threshold :**	N/Av
pH :	8.0 - 9.0	**Specific gravity :**	1.03 - 1.05
Boiling point :	100°C	**Coefficient of water/oil distribution**	: N/Av
Melting/Freezing point :	0°C	**Solubility in water :**	soluble
Vapour pressure (mmHg @ 20°C / 68°F)	: N/Av	**Evaporation rate (n-Butyl acetate = 1)**	: N/Av
Vapour density (Air = 1) :	Heavier than air.	**Volatiles (% by weight) :**	N/Av
Volatile organic Compounds (VOC's)	: 31 g/l	**Auto-ignition temperature :**	Not available.
Flash point :	Non-flammable.	**Upper flammable limit (% by vol.)**	: N/Av
Flash point Method :	N/Av	**Flashback observed :**	N/Ap
Lower flammable limit (% by vol.) :	N/Av	**Viscosity :**	500 - 700 centipoise @20°C
Flame Projection Length :	N/Ap		
Absolute pressure of container :	N/Ap		
General InformatioIn :	No additional information.		

Section 10: STABILITY AND REACTIVITY

Stability and reactivity : Stable under the recommended storage and handling conditions prescribed.

Hazardous polymerization : Hazardous polymerisation does not occur.

Conditions to avoid : Avoid heat and open flame. Keep away from direct sunlight. Do not use in areas Without adequate ventilation.

Materials To Avoid And Incompatibility
: See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products
: None known, refer to hazardous combustion products in Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs : Eyes, skin, respiratory system, digestive system, central nervous system.
Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:* YES *Ingestion:* YES
Irritancy : Moderate to severe eye irritant. Moderate skin irritant. May cause respiratory irritation.
Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Ingredients	LC_{50}(4hr) inh, rat	LD_{50} (Oral, rat)	LD_{50} (Rabbit, dermal)
2-(2-Butoxyethoxy)ethanol	N/Av	4500 mg/kg	2700 mg/kg
2,4,7,9-Tetramethyl-5-decyn e-4,7-thiol	N/Av	N/Av	N/Av
2-Pyrrolidinone, 1-ethyl-	5.1 mg/L/4H (aerosol)	1350 mg/kg	2000 mg/kg
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone	N/Av	53 mg/kg	N/Av
Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-1,3,4,6-tetrakis (hydroxymethyl)-	N/Av	N/Av	N/Av
Triethylamine	1748 ppm/4H	460 mg/kg	410 mg/kg

Carcinogenic status : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
Reproductive effects : Not expected to have other reproductive effects.
Teratogenicity : Not expected to be a teratogen.
Mutagenicity : Not expected to be mutagenic in humans.
Epidemiology : None known or reported by the manufacturer.
Sensitization to material : Not expected to be a skin or respiratory sensitizer.
Synergistic materials : None known or reported by the manufacturer.
other important hazards : CNS depression may result from extreme exposures.
Conditions aggravated by overexposure : Pre-existing skin, eye and respiratory disorders.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity : No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
Mobility : No data is available on the product itself.
Persistence : No data is available on the product itself.
Bioaccumulation potential : No data is available on the product itself.
Other Adverse Environmental effects : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle waste according to recommendations in Section 7. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Methods of Disposal : Dispose of in accordance with federal, provincial and local hazardous waste laws.

SECTION 14: TRANPORT INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TD	None	Not regulated.	not regulated	**none**	
TDG Additional information	None				

SECTION 15 - REGULATORY INFORMATION

Labelling:

Warning! May be harmful if inhaled or swallowed. Causes respiratory tract irritation. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May cause central nervous system de pression. Causes skin and eye irritation. Precautions: Use in a well-ventilated area. Wear suitable protective equipment during handling. Do not ingest. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and flame. Avoid contact with incompatible materials. Keep containers closed when not in use. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area away from sources of heat, ignition and sunlight
FIRST AID: If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stopped, begin artificial respiration. If irritation persists, seek prompt medical attention. For skin contact, wash with soap and water while removing contaminated clothing. If irritation persists, seek prompt medical attention. For eye contact, flush with running water for at least 15 minutes. Seek immediate medical attention/advice. If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice. Refer To Material Safety Data Sheet for further information.

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

US Federal Information:
TSCA information: The following ingredient(s) is (are) not specifically listed on TSCA: Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone. All other ingredients are listed on TSCA.

SECTION 16 - OTHER INFORMATION

Legend :

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
CAS: Chemical Abstract Services
CNS: Central Nervous System
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
LC: Lethal Concentration
LD: Lethal Dose
MSHA: Mine Safety and Health Administration
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RTECS: Registry of Toxic Effects of Chemical Substances
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WEEL: Workplace Environmental Exposure Level
WHMIS: Workplace Hazardous Materials Identification System

References :

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2011.
2. International Agency for Research on Cancer Monographs, searched 2011.
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2012 (Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.

Prepared By:

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Direct all enquiries to: AquaSurTech OEM

The information accumulated here in is believed to be accurate but not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the materials if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer / distributor of the product as described in Section 1.

MSDS Preparation Date (mm/dd/yyyy) : 10/11/2012

END OF DOCUMENT

< Attachment 6 >

TOWN OF Paradise

"DEVELOPMENT APPROVAL"

Permit No. ___

Date of Issue: July 3, 2013
Expiry Date: July 3, 2014

Applicant: **Acan Windows Inc.**

Application #: **DA13-511**

The Council has considered your application dated June 10, 2013 for approval to install a spray paint booth in the existing industrial building at 1641 Topsail Road, and hereby permits the proposal subject to the conditions attached hereto.

You are advised that the granting of this permit shall not in any way relieve the owner and the developer from full responsibility for carrying out the work, or having the work carried out in accordance with the requirements of the regulations, and any person who carries out any development or building work that is not in compliance with this decision and the Regulations, may be subject to an order by the Council to stop such work, and that failure to comply with such an order renders such a person liable to prosecution. **THIS IS NOT A BUILDING NOR AN OCCUPANCY PERMIT.**

A permit issued by the Council of the Town of Paradise may be subject to the submission of an appeal, by any party or person, for a period of **fourteen (14) days from the receipt of the approval. An appeal may be submitted to the Regional Appeals Board within fourteen (14) days of the receipt of the permit. All appeals must be addressed to the Secretary of the Appeals Board, Confederation Building, West Block, P.O. Box 8700, St. John's, NF, A1B 4J6. A fee of $113.00 ($100.00 plus $13.00 HST), must be remitted along with the appeal.** Should the developer proceed with the work noted on the permit before the expiry of this appeal period, it is done at the developer's own risk. Any queries, appeals, or requests for clarification arising from this permit should be addressed to the Town of Paradise, and should note the application number.

Jason Clode

Signature of Clerk, or Authorized Municipal Officer

SEE CONDITIONS ATTACHED HEREWITH

ZONING, SUBDIVISION AND ADVERTISEMENT REGULATIONS
CONDITIONS (DA13-511)

1. The applicant must submit the pre-engineered design for the spray booth for approval.

2. Operation of the spray booth must be in accordance with the requirements of provincial and/or federal legislation in relation to Occupational, Health & Safety.

3. The spray booth must be properly vented to the outside and in such a manner so as not to become a nuisance to the neighbouring property owners.

4. A permit is required to be obtained from the Town's Building Division for the installation of the booth.

5. The Dept. of Environment must approve the installation (including the storage of paint onsite).

6. Service NL must approve (or exempt) the spray booth in relation to Fire/Life Safety and Building Accessibility.

7. Issuance of this approval does not exempt the applicant from acquiring any other permits/approvals required by law.

Signature of Town Clerk
or authorized Municipal
Officer