

## TECHNICAL PROPERTIES

	<b>METRIC</b>	<b>IMPERIAL</b>
Density	Min 32kg/m <sup>3</sup>	Min 2 lb/ft <sup>3</sup>
Compressive Strength ASTM D1621	> 248 kpa	> 36psi
Shear Strength ANSI A118.10	> 345 kpa	> 50psi
Tensile Strength ASTM D 1623	> 227.5 kpa	> 33psi
Linear Expansion ASTM D 1037	0.005%	0.005%
Operating Temperature Range	-58 F to +194 F	-50 C to +90 C
Ozone Depleting Substances	Zero	
Flame Spread	Zero	
Flamability	B1 - E	
R-Value	2.2 per 1/2 inch of thickness	
Fungus and Microorganism Growth	Zero	
Capillary Action	Zero	
Water Absorption under immersion	Less than 1% by volume	
Point Impact Load Test CSA B45.5/IAPMO Z124	Passed	
Hydrostatic Pressure Test ASTM D 4551	Passed	
Solid Brass Drain Assembly ASME A112.18.2/CSA B125.2	Passed	

**HYDRO-BLOK's** extruded polystyrene foam is closed cell, 100 percent waterproof, manufactured using a CO<sub>2</sub> blowing agent and does not contain any HCFC or CFC. It exceeds current industry standards for Ozone depleting substances.

*Updated August 2016*

## HYDROBLOK JOINT SEALANT - TECHNICAL PROPERTIES

	IMPERIAL	METRIC
Skin Time	30-40 Minutes	
Consistency	Non-Sag	
Elongation at Break	250%	
Tensile Strength	200 psi	
Lap Shear	250 psi	
Application Temperature	35° F to 110° F	0° C to 42° C
Service Temperature	-60° F to 300° F	-50° C to 150° C
Shelf Life	12 mo. in unopened containers at 75° F	
Other Characteristics:	Conforms to ASTM C920, Type S, Grade NS, Class 50, Use T, NT, I, G and A.	
LEED® Qualifications :	Indoor Environmental Quality/4.1 Low-Emitting Materials/Adhesives and Sealants: 1 point	

**HYDRO-BLOK** sealant provides excellent adhesion to a variety of substrates without the use of a primer. This exterior-grade advanced polymer is weather resistant and contains no solvents or isocyanates. It is paint-able\*, non-yellowing and non-fading with very low VOCs.

*\*Due to the variety of different paint chemistries available, it is recommended to test a small section for paint adhesion prior to proceeding with a project.*

Updated January 2016

# IAPMO RESEARCH AND TESTING, INC.

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## CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

The most updated information on this Certificate of Listing is available online at [pld.iapmo.org](http://pld.iapmo.org)

Effective Date: March 2017

Void After: March 2018

Product: Tileable Shower Receptors and Shower Kits

File No. 9015

Issued To: HYDRO-BLOK  
Po Box 12076  
Murrayville Rpo  
Langley, B.c.  
British Columbia, V2Y 0M6  
Canada

Identification: Each tileable shower receptors and shower kit shall be clearly and permanently marked with the manufacturer's name or trademark, the model number, and all other required markings required by the standard. The product shall also bear the cUPC® certification mark.

Characteristics: To be installed in accordance with the manufacturer's instructions and the requirements of the latest edition of the Uniform Plumbing Code and National Plumbing Code of Canada

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)  
National Plumbing Code of Canada

  
Chairman, Product Certification Committee

  
CEO, The IAPMO Group



This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.



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**CERTIFICATE OF LISTING**

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Void After: March 2018

Product: Tileable Shower Receptors and Shower Kits

File No. 9015

Issued To: HYDRO-BLOK

Products are in compliance with the following standard(s):

IAPMO PS 106-2015e1



# IAPMO RESEARCH AND TESTING, INC.

## CERTIFICATE OF LISTING

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Void After: March 2018

Product: Tileable Shower Receptors and Shower Kits

File No. 9015

Issued To: HYDRO-BLOK

Models:

<u>Model No.</u>	<u>Description</u>
HBSP3636	HYDRO-BLOK Presloped 36" x 36" Shower Pan
HBSP3648	HYDRO-BLOK Presloped 36" x 48" Shower Pan
HBSP4848	HYDRO-BLOK Presloped 48" x 48" Shower Pan
HBSP3660	HYDRO-BLOK Presloped 36" x 60" Shower Pan
HBSP36720D	HYDRO-BLOK Presloped 36" x 72" Shower Pan - Offset Drain
HBSP3672CD	HYDRO-BLOK Presloped 36" x 72" Shower Pan - Centre Drain
HBSP4860	HYDRO-BLOK Presloped 48" x 60" Shower Pan
HBSP4872	HYDRO-BLOK Presloped 48" x 72" Shower Pan
HBSP6060	HYDRO-BLOK Presloped 60" x 60" Shower Pan
HBSP6072	HYDRO-BLOK Presloped 60" x 72" Shower Pan
HBSP4884	HYDRO-BLOK Presloped 48" x 84" Shower Pan
HBSP6084	HYDRO-BLOK Presloped 60" x 84" Shower Pan
HBSP7272	HYDRO-BLOK Presloped 72" x 72" Shower Pan
HBSP2448	HYDRO-BLOK Presloped 24" x 48" Shower Pan Extension
HBSPCE3636CU12	HYDRO-BLOK Presloped 36" x 36" (w/12" Cutout) Shower Pan Corner Extension ("L" Shaped)
HBDPE1272	HYDRO-BLOK Presloped 12" x 72" Shower Pan Extension
HBWB366014	HYDRO-BLOK 36" x 60" x 1/4" Wallboard
HBWB366012	HYDRO-BLOK 36" x 60" x 1/2" Wallboard
HBWB366058	HYDRO-BLOK 36" x 60" x 5/8" Wallboard
HBWB36601	HYDRO-BLOK 36" x 60" x 1" Wallboard
HBWB2548112	HYDRO-BLOK 25" x 48" x 1 1/2" Wallboard
HBWB486412	HYDRO-BLOK 48" x 64" x 1/2" Wallboard
HBWB369612	HYDRO-BLOK 36" x 96" x 1/2" Wallboard
HBWB489612	HYDRO-BLOK 48" x 96" x 1/2" Wallboard
HBSC60	HYDRO-BLOK Solid Foam 60" long Shower Curb
HBSC96	HYDRO-BLOK Solid Foam 96" long Shower Curb
HBRSN1616	HYDRO-BLOK 16" x 16" Recessed Shower Niche
HBRSN1622	HYDRO-BLOK 16" x 22" Recessed Shower Niche
HBRSN1628	HYDRO-BLOK 16" x 28" Recessed Shower Niche
HRBHSN1622	HYDRO-BLOK 16" x 22" Recessed Barrel Head Shower Niche
HBRUSN1642	HYDRO-BLOK 16" x 42" Recessed Universal Shower Niche
HBRDWSN3216	HYDRO-BLOK 16" x 32" Recessed Double Wide Shower Niche
HBRDASN3226	HYDRO-BLOK 26" x 32" Recessed Double Arch Shower Niche
HBDBM	HYDRO-BLOK Diamond Bench Medium
HBDBL	HYDRO-BLOK Diamond Bench Large
HBSBM	HYDRO-BLOK Suspended Bench Medium
HBSBL	HYDRO-BLOK Suspended Bench Large
HBDESC	HYDRO-BLOK Diamond Shampoo Caddy
HSR1272	HYDRO-BLOK EZ Access Shower Ramp 12" Slope x 72"
HBSSSP7212	HYDRO-BLOK 72"x12" SINGLE SLOPE SHOWER PAN EXTENSION
HBSSSP7248	HYDRO-BLOK 72"x48" SINGLE SLOPE SHOWER PAN
HBSSSP6036	HYDRO-BLOK 60"x36" SINGLE SLOPE SHOWER PAN
HBSSSP3660	HYDRO-BLOK 36"x60" SINGLE SLOPE SHOWER PAN
HBSSSP4872	HYDRO-BLOK 48"x72" SINGLE SLOPE SHOWER PAN

# HYDRO-BLOK™

The BETTER Shower System

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name	:	Hydroblok Joint Sealant
Product Use	:	Sealant
COMPANY	:	HYDROBLOK INTERNATIONAL LTD. PO Box 12076 Murrayville RPO Langley, British Columbia CANADA V2Y 0M6
Telephone	:	Toll Free: 1 844 588 9559
EMERGENCY CONTACT	:	CHEMTREC: (800) 424 9300

### 2. HAZARDS IDENTIFICATION

#### **Emergency Overview**

Physical State	:	Liquid, heavy paste
Odor	:	Mild, characteristic

Emergency Notice	:	<b>MAY CAUSE EYE OR SKIN IRRITATION.</b> Avoid contact with eyes. Avoid prolonged or repeated contact with the skin. Slightly irritating to the eyes and skin. Avoid breathing vapors. Wash thoroughly after handling.
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OSHA/HCS Status	:	While this material is not considered hazardous by the OSHA Hazard communication standard (29 CFR 1910.1200), this MSDS contains information critical to safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.
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Routes of Entry	:	Inhalation (breathing), eye and skin contact, ingestion
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#### **Symptoms of Exposure**

Inhalation	:	No specific data
Ingestion	:	No specific data
Eye Contact	:	Symptoms may include stinging, tearing, redness, and swelling of eyes
Skin Contact	:	Symptoms may include redness and burning of skin

**Potential Acute Health Effects**

- Inhalation : No known significant effects or critical hazards
- Ingestion : Swallowing large amounts may be harmful
- Eyes : Slightly irritating to the eyes. This product may irritate eyes upon contact.
- Skin : Can cause skin irritation. Symptoms may include redness, cracking or dermatitis.
- Target Organs : May cause damage to the following organs: eyes, skin

**Potential Chronic Health Effects**

- Chronic Effects : No known significant effects or critical hazards
- Carcinogenicity : No known significant effects or critical hazards
- Mutagenicity : No known significant effects or critical hazards
- Teratogenicity : No known significant effects or critical hazards
- Reproductive Harm : No known significant effects or critical hazards

**Medical Conditions Aggravated by Over-Exposure**

None known

See toxicological information (section 11)

**3. COMPOSTION / INGREDIENT INFORMATION**

*There are no ingredients present, which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.*

**4. FIRST AID MEASURES**

- Inhalation : Remove from area into fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.
- Ingestion : DO NOT induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.
- Eye Contact : Remove any contact lenses. Immediately rinse eyes with water. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with running water for at least 15 minutes. Get medical attention immediately.
- Skin Contact : Wash affected areas with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops and persists.

**Note to Physician**

No specific treatment. Treat symptomatically. Contact a poison treatment specialist immediately if large quantities have been inhaled or ingested.

## 5. FIRE FIGHTING MEASURES

Flash Point : 200°F

### **Flammability of Product**

The product is combustible.

When in a fire or if heated, pressure increase will occur in the container, and container may burst.

### **Extinguishing Media**

Use an extinguishing media suitable for the fire. For small fires, use foam, CO2 or dry chemical. For large fires, use water spray, fog, or foam.

### **Firefighting Equipment**

As in any fire, wear NIOSH approved, positive-pressure self-contained breathing apparatus (SCBA) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

Where appropriate equipment (see section 8). Ventilate area. Observe all Federal, State, and local regulations.

## 7. HANDLING AND STORAGE

### **Handling**

Wear appropriate protective equipment (see section 8). Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, or used. Wash thoroughly after handling. Avoid contact with eyes, skin and clothes. Avoid breathing vapors. Keep container closed when not in use. Use with sufficient ventilation. Do not reuse container. Product is combustible.

### **Storage**

Store in accordance with local regulations. Store in original container protected from direct sunlight, in a cool, dry, and well-ventilated area, away from food and drink. Do not store near a smoking area. Keep away from incompatible materials (see section 10). Keep container tightly closed. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Control

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal Protection

Respirator	:	Use NIOSH approved equipment only. If respirators are used, OSHA requires compliance with its respirator program.
Gloves	:	Nitrile gloves
Clothing	:	Wear clothing that will protect the skin from exposure to this chemical. During an emergency or while making repairs, wear clothing that will not allow this chemical to penetrate.
Eye Protection	:	Wear vented safety goggles or safety glasses.

### Environmental Exposure Controls

Emissions from ventilation should be checked to ensure they are compliant with the requirements of Federal, State, and local environmental protection regulations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid, heavy paste
Color	:	White
Odor	:	Mild, characteristic
Specific Gravity	:	~1.5
Water Solubility	:	Slightly Soluble
VOC	:	~1% (up to 13 grams/liter)

## 10. STABILITY AND REACTIVITY

### Reactivity

Chemical Stability	:	Stable
Hazardous Reaction	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Polymerization	:	Under normal conditions of storage and use, hazardous polymerization will not occur.

### Incompatibilities

Conditions to Avoid	:	Avoid temperatures above 50 Celsius (122 Fahrenheit)
Materials to Avoid	:	No specific data

## 11. TOXICOLOGY INFORMATION

### Acute Toxicity

No known significant effects or critical hazards.

### Chronic Toxicity

No known significant effects or critical hazards.

### Irritation

Eyes : This product may irritate the eyes upon contact.  
Skin : Can cause skin irritations. Symptoms may include redness, cracking or dermatitis.

### Sensitizer

No known significant effects or critical hazards.

### Carcinogenicity

No known significant effects or critical hazards.

### Mutagenicity

No known significant effects or critical hazards.

### Teratogenicity

No known significant effects or critical hazards.

### Reproductive Harm

No known significant effects or critical hazards.

## 12. ECOLOGICAL CONSIDERATIONS

No specific data available.

## 13. DISPOSAL CONSIDERATIONS

RCRA Waste Code : Not regulated. Observe all applicable federal, state and local regulations

## 14. TRANSPORT INFORMATION

### DOT Proper Shipping Name

Not regulated.

### Hazard Class

Not regulated by the US DOT

## 15. REGULATORY INFORMATION

### OSHA Hazard Communication Standard (29 CFR 1910.1200)

Non-Hazardous

### U.S. Regulatory Information

All ingredients of this product are listed or excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

### SARA Hazard Category (40CFR 370)

Acute

### SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right - To - Know Act of 1986 or 40 CFR 372.

### State Regulations

Massachusetts Spill	:	None of the components are listed.
Massachusetts Substances	:	None of the components are listed.
Minnesota Hazardous Substances	:	None of the components are listed.
New Jersey Hazardous substances	:	None of the components are listed.
New Jersey Spill	:	None of the components are listed.
Pennsylvania Right-To-Know List	:	None of the components are listed.
Rhode Island Hazardous Substances	:	None of the components are listed.

## 16. OTHER INFORMATION

MSDS Prepared By	:	John McDermott
MSDS Preparer Phone Number	:	(669) 221 - 5477