

BROCHURE
2022

CHILL EPOXY™

BY POLYMÈRES TECHNOLOGIES

HIGH QUALITY EPOXY RESIN SYSTEMS



www.chillepoxy.com



POLYMÈRES
technologies

ABOUT US

Polymères Technologies Inc is a Canadian company, located in Saint-Hyacinthe, Quebec, since 1996. Over the years, we have accumulated extensive technical expertise and experience in thermosetting resins for industrial applications.

The CHILL EPOXYTM range of resins was born from the requests of artists and woodworkers looking for technical products that perfectly meet their specific needs.

OUR VISION

We want to accompany you in the success of your important projects.

OUR MISSION

We select only the purest raw materials. We formulate and produce with high standards of quality. We will help you find the perfect product and the best technique for your projects.



At Polymères Technologies Inc, we believe it is impossible to have a single epoxy formula that will work for every project. That is why we have developed different products to meet the specific requirements of YOUR application.



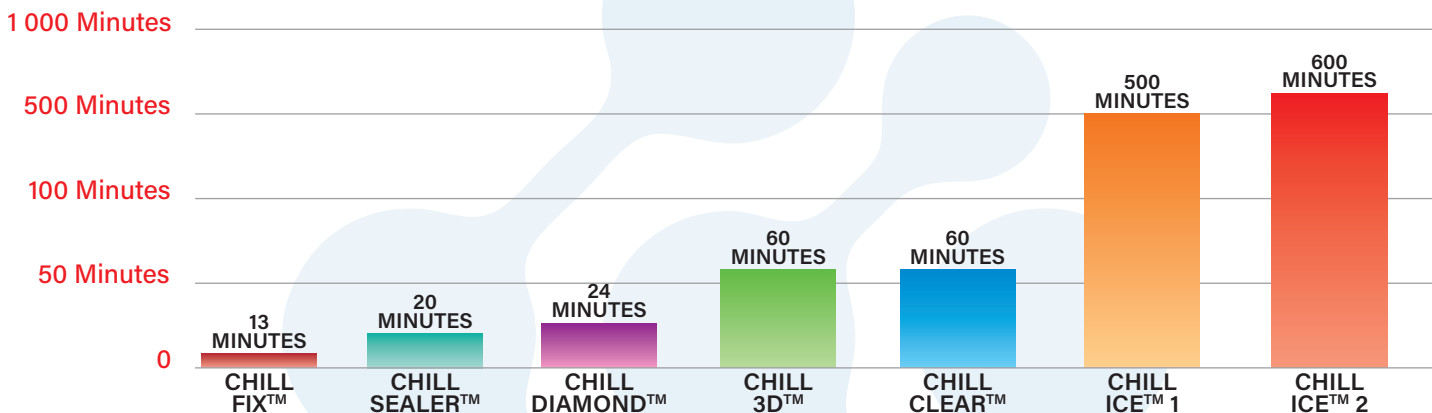
All CHILL EPOXYTM epoxy resin systems are VOC-free and 100% reactive. They have a low odor and offer crystal clear transparency and very high UV resistance.

HOW TO CHOOSE THE RIGHT FORMULA?

Consider how much resin will be poured. The larger the quantity, the longer the pot life will be.

POT LIFE

Recommended temperature: 22 °C (72 °F)



BEFORE YOU START

REQUIRED TOOLS

- Clean graduated containers with smooth walls and flat bottoms;
- Flat metal or plastic spatula at least 1" wide;
- Brush(es) to apply the mixture to edges or curved surfaces if applicable;
- Gloves and safety glasses.

Please note that we sell many sizes of graduated containers as well as spatulas! Take a look at our online store: www.chillepoxy.com

SAFETY MEASURES

Always wear gloves and eye protection when working. Protect your clothes. Cover your work surface with plastic sheeting, wax paper, or newspapers.

OPERATING TEMPERATURE

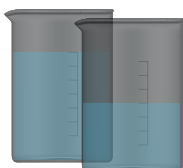
We recommend that you maintain your working and storage environments at a temperature of 22°C (72°F); also ensure that their relative humidity stays below 60%. A cold environment will increase the viscosity of parts A and B, while a warm environment will decrease it. Do not leave resin and/or hardener in an open container. KEEP PRODUCT(S) OUT OF REACH OF CHILDREN.



INSTRUCTIONS

STEP 1

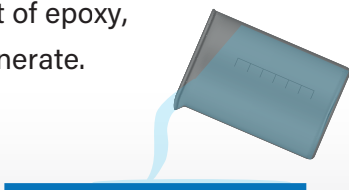
Carefully measure the correct ratio of resin (part A) and hardener (part B) into two separate containers.



If your ratio is not precise or if the mixture of parts A and B is not homogeneous, the polymerization will be incomplete and various problems can arise: stains, sticky and/or flexible surface, etc.

STEP 3

Once properly mixed, pour the epoxy evenly over your substrate. Ideally, choose a single strategic pouring point from which you will let the resin spread. Note that any mixture remaining in the container will heat up and then harden over time. The greater the amount of epoxy, the more heat it will generate.



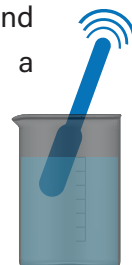
STEP 5

To clean uncured resin and your working instruments, use our high-performance cleaner POLY CLEANER™ or 99% isopropyl alcohol. Do not use solvent or alcohol on a completed project.

STEP 2

Mix the resin into the hardener thoroughly, scraping down the sides and bottom of the container, until a homogeneous mixture is obtained.

Please note that mixing time varies depending on the product and the quantity mixed.



STEP 4



After everything has been poured, let the resin cure for the recommended time. For best results, maintain room temperature at 22°C (72°F).

It is not necessary to use a torch to eliminate bubbles; they will usually burst naturally after about 10 minutes. For optimal results, we recommend sealing your substrate with CHILL SEALER™ before pouring to prevent air bubbles from forming at the edges.

IMPORTANT

Make sure your substrate is clean and free of contaminants, and that your work environment is dry and dust-free. If the resin remains sticky after curing, the previous instructions have not been followed properly. Nonetheless, it is possible to apply a new layer by following the instructions.

CHILL FIX™

is ideal for filling small cracks, voids, and knots in wood surfaces. It offers an ultra-fast setting time and outstanding adherence.

This product reaches full hardness after only a few hours; handy if you want to do quick touch-ups! CHILL FIX™ is a must for those who want to improve their production time.



AVAILABLE SIZES:
1.5 L

**CAN BE
SANDED QUICKLY**
to improve your
production time!



POT LIFE

13 minutes at 22°C / 72°F

FULL CURE TIME

3 to 6 hours at 22°C / 72°F depending on mass

MIXING RATIO

2 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL SEALER™

is a clear epoxy designed specifically to seal and reinforce your substrates. In addition to being solvent free, it offers very low viscosity and maximum substrate infiltration. it is completely compatible with all the resins in the CHILL EPOXY™ range.

Never worry about air bubbles or foggy wakes in your resin again; this product makes your live edges waterproof quickly and a new coat can be applied only 3 hours later!



AVAILABLE SIZES:
1.5 L

EASY TO APPLY!

Once A and B are mixed, just use a new brush or roller and you're done!



POT LIFE

20 minutes at 22°C / 72°F

FULL CURE TIME

~ 8 hours at 22°C / 72°F depending on mass

MIXING RATIO

2 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL DIAMOND FAST™

is the resin of choice for small castings. It is crystal clear and highly resistant to ultraviolet rays. It's the perfect system for making small jewelry, figurines, chess pieces, and more!

CHILL DIAMOND FAST™ offers fast setting time and a very low viscosity for the reproduction of the finest molding details.



1.5 L



3 L

BYE-BYE, BUBBLES!

Thanks to its low viscosity, the resin releases bubbles naturally and is self-leveling!

POT LIFE

24 minutes at 22°C / 72°F

FULL CURE TIME

~ 12 hours at 22°C / 72°F depending on mass

MIXING RATIO

2 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL 3D™

is a unique epoxy finish in the CHILL EPOXY™ range offering very good UV resistance. Our only product with a medium viscosity that allows you to add relief to countertops or canvases.

Although it is transparent, you can add color with our CHILL DROPS™ color pigments. CHILL 3D™ protects substrates and enhances their appearance at the same time. Let your inner artist express themselves!



1 L



8 L



2 L

SPECTACULAR PATTERNS

and controlled color
mixing are possible
thanks to its unique
viscosity!

POT LIFE

60 minutes at 22°C / 72°F

FULL CURE TIME

~ 24 hours at 22°C / 72°F depending on mass

MIXING RATIO

1 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL CLEAR™

is a clear, UV-resistant epoxy that is useful for a wide variety of applications.

Need a top coat, something to fabricate or encapsulate small objects, or even to pour up to half an inch thick for a custom project? If you're not short on ideas, this product may surprise you. Dare to imagine!



1.5 L



3 L



12 L



30 L

AS VERSATILE AS IT GETS!

We can't say it enough:
this product shines because
of its popularity and
varied uses.



POT LIFE
60 minutes at 22°C / 72°F

FULL CURE TIME
~ 3 days at 22°C / 72°F depending on mass

MIXING RATIO
2 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL ICE™ 1

is the product of choice for casting river tables or similar large-scale projects. This system is formulated to be poured between 0.5" (13 mm) and 1.5" (38 mm) thick while offering great transparency and increased UV resistance.

Forget torches and fans: the controlled exotherm of CHILL ICE™ 1 requires nothing but your patience; let the magic happen!

For best results, start by sealing your live edges with our CHILL SEALER™ epoxy.



1.5 L



12 L



60 L



3 L



30 L



600 L

POT LIFE

500 minutes at 22°C / 72°F

FULL CURE TIME

~ 7 days at 22°C / 72°F depending on mass

MIXING RATIO

2 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL ICE™ 2

is the product of choice for castings between 1.5" (38 mm) and 2" (50 mm) thick in a single pour, while maintaining unparalleled transparency.

This system also enjoys the same UV resistance as its predecessors. Like CHILL ICE™ 1, there is no need for a torch or a fan: its controlled exotherm will do the job for you!

For best results, start by sealing your live edges with our CHILL SEALER™ epoxy



3 L



12 L



30 L



60 L



600 L

POT LIFE

600 minutes at 22°C / 72°F

FULL CURE TIME

~ 7 days at 22°C / 72°F depending on mass

MIXING RATIO

2 : 1 in volume

Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL DROPS™

For those who want to paint with all the colors! Our CHILL DROPS™ liquid pigments are highly concentrated, completely compatible with all our epoxy resin systems, and can even be combined to create unique shades!

Whether you are looking to achieve an opaque, transparent, or even translucent finish for your project, our CHILL DROPS™ will satisfy your color needs. With a wide selection of colors, all you have to do is choose, then let your creativity speak!



WHITE	OLIVE
IVORY	ORANGE
SAND	NEON ORANGE
BURGUNDY	NAVY BLUE
RED	BABY BLUE
ROSE	ROYAL BLUE
MAGENTA	SKY BLUE
CORAL	TEAL
YELLOW	NEON BLUE
NEON YELLOW	PURPLE
AQUA	LAVENDER
GREEN	GRAY
NEON GREEN	BROWN
LIME	BLACK

Please note that our WHITE and IVORY colors are only available in the opaque variety. All our "neon" colors are only available in the translucent variety.



2 oz (59 ml)



4 oz (118 ml)

The colors as shown in the box above are an approximation. Our neon colors as shown in the box above are for reference only. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL PIGMENTS™

For those who want to “pigment” their lives! Our highly concentrated CHILL PIGMENTS™ metallic mica powders are non-toxic, chemically stable, and available in a wide range of dazzling colors.

To make your projects shine, there is nothing better than a metallic finish and a good imagination!



The colors as indicated on the samples are an approximation. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

CHILL RELEASE™ 110

No more adhesive tape that leaves marks after demolding! No more sanding to remove imperfections! With the CHILL RELEASE™ 110 release agent, nothing is easier than perfectly demolding your various projects.

In addition to being applicable to any substrate, this product even extends the life of your mold. Whether your use is personal or industrial, CHILL RELEASE™ 110 remains the best choice for professionals.



500 ml



1 L

EASY TO APPLY!

All you need is a
new brush or roller...
and *voilà*!



CHILL RELEASE™ 110 contains solvents. Before pouring your epoxy, it is important to wait until the solvents have evaporated. It is possible to apply several coats, waiting 15 to 20 minutes between each one.

Before using a wooden mold, seal it well with CHILL SEALER™. For more information on our release agent, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechnologies.com

POLY CLEANER™

More effective than a solvent, without the inconvenience! This product is so powerful that it not only disintegrates epoxy residues, but also eliminates polyurethane and silicone traces on your tools, work surfaces, and floors.

POLY CLEANER™ differs from other cleaners in that it is formulated without solvents or VOCs while keeping its effectiveness. Ideal if you are concerned about your ecological footprint!



1 L



4 L

UNMATCHED PERFORMANCE!

Even hardened resin
cannot resist its cleaning
power for long!



Do not use this product on plastic surfaces, such as PVC or styrene. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

WOOD REPAIR PASTE FOR INDUSTRIAL USE **P-TEC™ 8400**

Need to make wood repairs quickly and efficiently? Do you want to stabilize brittle wood? You want a product that can be applied up to 1" (25 mm) thick in one go without any shrinkage? Do you want it to hold up outdoors, even under intense weather conditions? The answer to your prayers is P-TEC™ 8400!



With its two-component, 100% solid, VOC-free formula, only one application is needed. The paste does not shrink after drying. Its wood-like density ensures an effective and almost imperceptible repair and incomparable quality compared to conventional fillers.

In addition to being easy to stain and paint, this polyurethane paste can also be sanded after curing 20 minutes at 22°C (72°F). It can also be used as an adhesive for the structural assembly of various substrates: wood, ceramic, concrete, metal, etc. Don't wait, and find out why professionals recommend P-TEC™ 8400!



Pouch A + B
2 x 125 g



Cartridge
400 ml

AVAILABLE COLORS



BEIGE



COGNAC

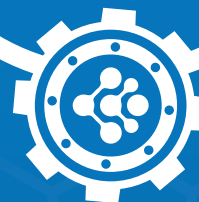


**BLACK
WALNUT**



BLACK

Can be drilled, planed,
carved, and even screwed
into once completely
hardened!



Le P-TEC™ 8400 is not compatible with solvent-based products. The colors as shown on the samples above are an approximation. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

TECHNO COATING™

is an epoxy floor coating that provides a durable, glossy finish. With excellent resistance to chemicals, abrasions, and UV rays, it can be used for both residential and commercial applications.



It is possible to create unique colors or amazing special effects by combining our CHILL DROPS™ liquid pigments or our CHILL PIGMENTS™ metallic pigments.

15 L SIZE THEORETICAL COVERAGE

THICKNESS (in)	0.010	0.020	0.030	0.040	0.050	0.060
FT ²	636	318	212	159	127	106
THICKNESS (in)	0.070	0.080	0.090	0.100	0.110	0.120
FT ²	91	79	70	63	58	50

POT LIFE

60 minutes at 22°C / 72°F

FULL CURE TIME

~ 7 days at 22°C / 72°F depending on mass

MIXING RATIO

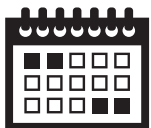
2 : 1 in volume

Sold in a
pre-measured,
easy to use 15 L
size!



Curing time varies with volume, shape, and ambient temperature. For more information on this product, consult the data sheet available at www.chillepoxy.com or contact POLYMÈRES TECHNOLOGIES INC at support@polymerestechologies.com

ORDERS AND DELIVERY



PROCESSING TIMES

Orders are subject to stock availability. They are then forwarded and processed by our shipping department upon receipt of payment. Items offered on our website can be shipped across Canada and to the United States.

An approximate delivery time is provided when you place an order. This period is only a guideline and is calculated from the date of shipment. Unless there are exceptional circumstances, we always do our best to ship your order within 5 business days of reception. Our business days are from Monday to Friday, except on holidays.



SHIPPING COSTS

Shipping costs depend on the volume and weight of your order and the courier company you choose for shipping. To view these fees, simply go to the checkout page once your cart is filled. The delivery date may vary depending on the shipping practices of the selected courier company.

Additional customs fees may apply if you reside outside of Canada. We have no control over these charges and they are the responsibility of the buyer. For more information on this subject, you can consult your border services agency (calls, web links, etc.).



TERMS OF PAYMENT

We only accept payment by credit card (Visa, Mastercard, American Express).

CONTACT US!

sales@polymerestechologies.com
6330 boulevard Laurier Ouest
Saint-Hyacinthe, QC
Canada J2S 9A7



POLYMÈRES
technologies

