

# INSTALLATION MANUAL IMPERMAX POND SEALER PAINT SYSTEM

4 DIFFERENT SYSTEMS  
TO PAINT/SEAL YOUR KOI FISH POND  
USING THE IMPERMAX PAINT SYSTEMS

KOI FISH  
APPROVED  
COATING  
SYSTEM



[www.kryptonchemicals.co.uk](http://www.kryptonchemicals.co.uk)



# IMPERMAX POND SEALER PAINTS FOR KOI FISH

## GENERAL INSTRUCTIONS & PROPERTIES

1. Screed the pond to provide a smooth even surface-and let the screed dry for about 20-25 days to be fully cured and to let any cracks/ fissures develop.

2. Clean the surface and remove any traces of dust, micro-organism or materials which may interfere with the paint sealer adhesion.

3. Fill in all cracks/ fissures with an exterior polyurethane mastic-such as Rayston Flex 3040 and tape any cracks-ready for the application of the **Impermax Sealer Paint System**.

4. If you are going to have a Clear Paint Finish it would be best to tape any cracks with a narrow strip (30cm wide ) of **Fibreglass reinforcement embedded in clear Porosity Sealer**, so that you do not visually see the coloured tape after you have applied the Clear Sealer Paint. Alternatively, all cracks should be filled in with a cement mix, but you must allow the cement to dry out properly.

5. The pond should be constructed to be structurally sound since the Impermax Sealer Paint Systems only provide the waterproof paint seal.

6. The **4 x Impermax Paint Sealer Systems** are excellent Sealers for Brickwork-but below the waterline the brick should also be first rendered and then the Paint Sealer Applied.

7. The **Impermax Paint/ Sealer Systems** will seal hairline cracks but will not be capable of bridging larger joints, cracks, or holes.

8. **Impermax Paint/ Sealer Systems** will seal out lime.

9 Best to start the Paint Sealer System using a brush or roller - at the Walls of the pond, so that you can move around the pond without problems.



# 4 DIFFERENT POND SEALER PAINT SYSTEMS

## 1. POROSITY SEALER FLEX CLEAR

One component moisture cured polyurethane which forms a non porous seal on concrete, brick or porous stone. Porosity Sealer uses the moisture in the air and substrate to cure. Porosity Sealer is the **UK Brand Leader** for Sealing- Ponds and Floors and Damp Walls. Porosity Sealer will also seal out lime.

Porosity Sealer Flex is a light yellow Clear aromatic polyurethane and like all the competitors who sell "Clear" non UV Pond Paints -this will change to a light/ yellow colour when exposed to UV Sunlight.

Application -just apply 2 coats of 200gms per sqm and 1 coat of 100gms per sqm-giving in total 500gms per sqm-to give a Clear Sealed Pond Liner.



**4 kg drum** will cover **8 sqm** of surface if you apply 3 coats of total 500 gms per sqm.

**20 Kg** drum will cover **40 sqm** of surface if you apply 3coats of total 500 gms per sqm.

## 2. IMPERMAX-COLODUR UV STABLE CLEAR SEALER

UNIQUE one component aliphatic polyurethane that cures upon reaction to atmospheric moisture giving a hard and flexible coating that seals concrete, brick or porous stone. **Colodur is the ONLY clear pond sealer that will NOT yellow with sunlight.** Note that Porosity Sealer Flex is NOT required as a Base Coat -so the System is SO FAST -just apply 2 x Coats of Colodur -and the Pond is Watertight and the colour is UV stable

**4 kg drum** will cover **8 sqm** at a total thickness of 500gms per sqm. This will require 2 layers each of 250gms per sqm

**20 Kg** drum will cover **40 sqm** at a total thickness of 500gms per sqm. This will require 2 layers each of 250gms per sqm.

## 3. IMPERMAX BLACK PAINT SEALER

The specification for a Black Pond Lining is:

Coat 2 layers of Porosity Sealer Flex each of 200gms per sqm to give a total weight of 400gms per sqm. This will seal the surface. Then Apply **one thick** layer of Impermax Black , 500gms per sq.m. in 1 x layer

**4kg** Porosity Sealer Flex will cover **10sq.m** at 400 gms per sq.m.

**20kg** Porosity Sealer Flex will cover **50sq.m** at 400gms per sq.m

**5kg** Impermax Black will cover **10sqm** at 500gms per sqm.

**10 kg** Impermax Black will cover **20sqm** at 500gms per sqm.

**25 kg** Impermax Black will cover **50sqm** at 500gms per sqm.

# 4 DIFFERENT POND SEALER PAINT SYSTEMS

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## 4. IMPERMAX SPECIAL UV STABLE COLOURS PAINT SEALER

The Specification for a special "Fishtastic " UV stable Colour, Pond Paint Sealer is—

- A** 2 x Coats of Porosity Sealer Flex- each of 200gms per sq.m giving a total of 400gms per sq.m. thickness.
- B** 1 X Coat of the clear UV Colodur mixed with the special PU colour pigment-mixed simply in the tin- on site.

The pigment paste- come in 2 x sizes - 0.8 kg pigment is added to the 4kg Colodur , and the 4kg pigment is added to the 20kg Colodur.

The Cover rate should be 250gms of pigmented Colodur applied in 1 x layer.

**4kg** Porosity Sealer Flex will cover **10 sq.m**-- when you apply 2x layers of 200gms per sq.m- giving a total of 400gms.  
**20kg** Porosity Sealer Flex will cover **50 sq.m**- when you apply 2 x layers of 200gms per sq.m -giving a total of 400gms.

**4kg** Colodur mixed with 0.8kg of pigment paste-- will give a Cover Rate of 16 sq.m at 250gms per sq.m -in 1 x layer  
**20 kg** Colodur mixed with 4 kg of pigment paste- will give a Cover Rate of 50 sq.m at 250 gms per sq. m-in 1 x layer

**Colour Choice –** you can check which RAL colour you want at web site of all Ral Paint colours - [www.ralcolor.com](http://www.ralcolor.com)



**Standard Ral Colours – PU Pigments are available in 2 x sizes 0.8kg weight to be mixed in a 4kg tin of UV Colodur, and 4kg weight to be mixed in a 20kg tin of UV Colodur.**

Dark red Ral-3009  
Tile red Ral -9004  
Light Ivory Ral- 1015  
Gentian blue Ral- 5010

Turquoise Ral- 5018  
Emerald Green - Ral 6001  
Pale Green Ral -6021  
Silver Grey Ral-7001

**Delivery:** allow about 2 x weeks for delivery of PU Pigment RAL colours in either 0.8 kg or 4kg dry concentrated pigments.





### HOW TO CALCULATE THE NUMBER OF DRUMS REQUIRED ?

If you need any help in calculating the number and size of drums required, please telephone our Head Office 07970 455050 - any day, including Saturday and Sunday

### CURE TIME

The Impermax Paint Sealer Systems will all cure in approx. 4-6 hours depending on the temperature and moisture content of the air. The Layers are walkable after 4- 6 hours but 90 % cured in 24 hours ( again depends on temperature ) Best to wait 7 days for 100 % cure of final top coat layers.

### FILLING THE POND

Before filling the pond with water -wait **at least 7 days** and wash the whole surface with lots of clean water. This water must be drained off-before filling the pond with more clean water.

## WHAT NOT TO DO WITH IMPERMAX POND LINING

### DON'T

1. Hurry to much and start the work without a good understanding of how many layers are required for each system.
2. Mix or mechanically stir at high speed the drums -as this will introduce air bubbles, causing blisters or pin holes.
3. Apply when the substrate is wet or too damp.
4. Be afraid to add an extra layer of Porosity Sealer Flex Clear -if it is a very porous substrate.
5. Apply the products in the rain.
6. Use any of the 4 Impermax Paint Sealer systems- over PVC, or Butyl or Rubber or Metal without asking us to supply you with a specialist primer.
7. Use a Silicon mastic around pipework and fittings. PU Mastic such as **Rayston Flex 3040 ( 600mm sausage )**
8. Use a PVA based sealer to seal or prime any surfaces.



## TROUBLESHOOTING PROBLEMS

The following are typical problems and questions we have had with our Customers installing the Impermax Pond Paint Sealer.

### A My Concrete and Mortar is still wet. What should I do?

You have to wait until the concrete is dry. New Screed takes about 20-25 days to fully cure and shrink causing cracks which must be repaired before the Pond Sealer Paint is applied.

### B What is Negative Pressure?

Negative water pressure is when water from the exterior ground is pushing on the Paint Sealer from the outside of the layers. This is quite common and can cause blisters on the surface of the Sealer Paint.

*If you have Negative Pressure please contact us – Head Office 07970 455050- we have a special trowel applied epoxy cement – Tecnocem – which is designed to withstand Negative Water Pressure.*

### C The temperature is less than 5 degrees -can I still apply the Pond Sealer?

No, the temperature has to be 5 degrees and rising.

### D What if the rain starts when I am working?

If it starts to rain -please stop the application. There may be a small damage of small "pits " on the surface caused by rainfall. When the rain stops just apply some extra Impermax Pond Paint Sealer.

### E What if I want a Pond Lining that will last much longer than a Sealer Pond Paint?

Then you have to apply the full Impermax 20 Year Waterproofing Coating System and reinforce all critical areas.



## HOW TO MAINTAIN YOUR POND SEALER PAINT

Some people say it is easier to build a Koi Fish pond than to maintain it. However, if you take care of your pond from the beginning and check for simple defects every year, you can avoid many complications later.

- **Check the Surface of your Pond Sealer Paint at least once per year.**

If you find any pin holes or blisters or tears on the surface, repair these immediately. Pond Linings Direct have simple repair kits.

- **Maintain Equipment and Pond Sealer Paint**

Like all capital expenditure - filtration systems, protein skimmers, aeration systems, and the Pond Lining System - you have to maintain these every year, and if any simple repairs are necessary, then do them quickly and the systems will last many years.

- **Constant Water Checks.**

Poor water quality can cause fish to suffer.

- **Avoid Overfeeding**

Too much food in the water can result in high ammonia and high nitrate levels in the water.

- **Maintain the correct Temperature.**

Koi can survive during winter months, but if you have ice over the surface of the water, then make a hole in the surface of the ice to help gas exchange.



Before using the user shall determine the suitability of the product for the intended use. This information is offered in good faith but without any guarantee or liability.



**For more information, please contact us:**

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