

# **Formerol® F.10**

## **Frequently Asked Questions**

### **I. Product**

#### **What materials does Formerol® not bond to?**

Formerol® and most other adhesives struggle to bond with Polypropylene, Polyethylene, plastics with certain oily finishes, and some powder-coated metals.

If you want to use Formerol® as an impression/moulding material, the best release agent we've found is soapy water. It doesn't leave any residue on the sugru afterwards, and is very clean and easy to use.

#### **Is Formerol® biodegradable?**

It's not fully biodegradable, but you can cut cured Formerol® into little bits and add them to your compost, where they will break down into their constituent parts over time.

#### **How long does Formerol® last?**

Formerol® can last for many years, depending on the conditions to which it is exposed.

#### **Is there something I can do to increase the shelf-life?**

The current shelf-life of Formerol® is approximately 12 months, and there is ongoing research to extend it up to 18 months.

The best way to extend Formerol® shelf-life is to place it in cold storage (such as a fridge or cooler). The cold helps it last up to four times as long.

#### **What colours does Formerol® come in? Can it be made transparent?**

Formerol® comes in black, white, red, blue, and yellow, and can be mixed to create any color (see Formerol Color Chart Datasheet). It is also possible to order Formerol® in custom colors for industrial or commercial use.

Because of the properties of Formerol® it is not possible to make it transparent, and at best it will be translucent (as it is already if spread thinly). If interested, please contact Formerol Industrial for details.

#### **Is Formerol® patented?**

Formerol® is a trademark of FormFormForm Ltd. Formerol® technology is protected by the following international patent applications: US Patent Application 10/517,057 and related filings in Europe, China, and India; US Patent Application 11/921,006 and related filings in Europe, China, and India; and, US Patent Application 11/921,005 and related filings in Europe, China, and India.

### **2. Usage**

#### **How can I achieve a good surface finish?**

You can use soapy water (a splash of washing up liquid in a glass of water) to get a smooth surface finish. Simply dip your fingers into the soapy water and gently rub the surface of sugru.

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## **Does Formerol® stick to itself?**

Yes, Formerol® will stick to itself, and if you use the same color, you should be able to apply and finish it seamlessly.

## **Can you sand Formerol®?**

Yes, this works well if you want to shape cured Formerol®. Do be aware that sanding will result in a more porous surface than the naturally sealed surface you'll get if you just let it cure without sanding.

## **Will Formerol® cure outdoors in temperatures between -5 and 5 degrees celsius?**

Formerol® will eventually cure at these temperatures, but it will take a very long time. The recommended operational temperature is 21°C, at which it will cure at a rate of 3mm every 24 hours. It can of course handle other temperatures, but this will affect the rate at which it cures.

## **Is Formerol® removable?**

To remove Formerol® from non-porous surfaces, simply cut off the bulk of it off using a knife or scalpel. You can then remove the residue with your nails and some tissue.

If you stick Formerol® to a porous unglazed ceramic surface, or unvarnished wood, it will be removable but will leave a stain.

From fabrics and leathers – once you've worked Formerol® into fabric, it will be very difficult to remove, and will always leave traces.

## **3. Health and Safety**

### **Is Formerol® skin friendly once it has cured?**

Yes, the warning on Formerol® regarding sensitive skin refers to its uncured state. When it's cured, it's safe for everyone and general skin contact. However, it's not medical or food grade, so we can't recommend it for internal contact – e.g. a mouthpiece.

### **Can Formerol® be used to make custom-moulded earbuds?**

In-ear applications are fine, but if you have sensitive skin, let the Formerol® cure for a few days before using them to make sure they're completely cured.

### **Is Formerol® food-handling and/or medically safe?**

No, Formerol® has not been approved for food-handling or medical use. Approval is currently undergoing. If interested, please contact Formerol Industrial for details.