



Undermount **Sink** Installation

BLACK MAMBA FHG®

blackmambafhg.com



BLACK MAMBA® FHG HIGH TACK

is an advanced hybrid sealant adhesive designed to simplify the installation of undermount sinks. With its high green strength, sinks can be secured in place quickly and securely, without the risk of slippage or dropping. This eliminates the need for brackets or clips, making the installation process much simpler.

The adhesive cures under the influence of humidity, creating a durable and elastic rubber that bonds to a wide range of sink materials. It is 100% waterproof, low odor, and can be used for both indoor and outdoor sink projects.

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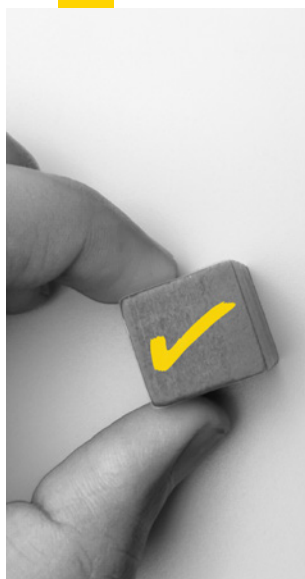
***Experience effortless
undermount sink
installation with Black
Mamba FHG High Tack.***

***Its high tack formula
provides secure bonding,
eliminating the need for
additional mechanical
support during the
installation process***

Features

Black Mamba FHG® High Tack

- Instant adhesion, very high green strength
- No mechanical support required during curing
- Repositionable for 10 min
- Temperature Range -40 to 140 C°
- Paintable
- Resistant to moisture and weather
- No shrinkage and bubble free
- Non-corrosive towards metals
- Ultra low VOC - Odourloess
- Free of isocyanates, solvents, and silicones




Black Mamba FHG® High Tack can be applied to a wide range of sink bowl materials, including:



- Stainless steel
- Cast iron
- Ceramic
- Porcelain
- Fireclay
- Copper
- Granite
- Marble
- Solid surface materials
- Acrylic
- Composite materials

Adhesive Properties

Black Mamba FHG® High Tack

Tensile Strength at Break [MPa]	2.7
Hardness [Shore A]	60
Elongation at break ISO 527-1A	200 - 250%
Specific gravity @ 20°C [g/ cm3]	1.53 - 1.55
Viscosity @ 25°C (Pa.s)	360 - 380
Yield Point (Pa) <small>Rheometer</small>	2500 - 2900
Skin formation time [min] @ 20°C & 50% R.H.	10 - 15
Cure Speed [mm/24h] @ 20°C & 50% R.H.	5
Accelerated Weathering (ASTM C793)	No crack, stains, discoloration
Cold Temperature Flexibility (ASTM C734)	PASS
Application Temperature	5°C - 35°C (41°F - 95°F)
Temperature Range	-40°C - 135°C (-40°F - 275°F)
Colours	

How to install an undermount sink using Black Mamba FHG®

STEP 1



Start by cleaning the sink and the countertop with acetone or denatured alcohol. Make sure the underside of the sink cutout and the top rim of the bowl are extremely clean.

STEP 2



Allow the acetone or denatured alcohol to flash off, and let it dry completely.

TIP



Mark an imaginary line around the perimeter of the bowl, and apply a consistent bead of Black Mamba FHG® High Tack adhesive on the outside of that line.

STEP 3



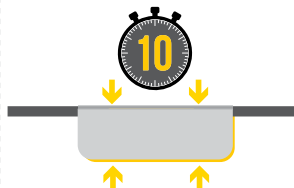
Apply a continuous bead of Black Mamba FHG® High Tack along the edge of the sink bowl. Make sure the adhesive is evenly applied and covers the entire edge.

STEP 4



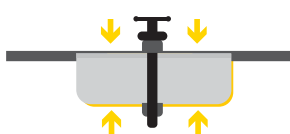
Carefully position the sink underneath the countertop, ensuring that it is level and in the correct position. The adhesive allows for repositioning within 10 minutes after application.

STEP 5



Once the sink is in place, compress it against the countertop. Press it tightly and count to 10. Check the overhangs to make sure they are even. If necessary, adjust the sink by twisting it slightly.

TIP



Clamp the sink for a moment to ensure good compression against the countertop.

STEP 5



Allow the adhesive to cure for at least 24 hours.

*Humidity and heat level may affect the curing time.

STEP 6



Wait for 24 hours before allowing your plumber to work on the sink

How to do a sink removal bonded with **Black Mamba FHG®**

Removing Black Mamba adhesive becomes a straightforward process with the right approach. In this guide, we'll outline three different methods for safely and effectively removing Black Mamba adhesive, depending on its state: whether it's wet, partially cured, or fully cured.

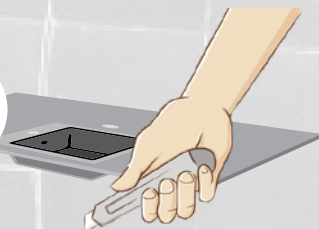
WET

If the adhesive is still wet, you can pry it off and remove the remaining **Black Mamba FHG®** with acetone or denatured alcohol. Once the sink is removed, both surfaces will need to be cleaned thoroughly to ensure there is no remaining **Black Mamba FHG®** before re-gluing the sink to the countertop.



PARTIALLY CURED

If the adhesive has been applied for less than 48 hours, you can use a razor knife and shims to gradually cut away the **Black Mamba FHG®** from the joint.



CURED

Black Mamba FHG® Adhesive never cures to a hard, brittle state. We recommend using an oscillating multi-tool with a very thin and fine blade to cut through the Black Mamba (which is like rubber when dry). Once the sink is removed, both surfaces will need to be cleaned thoroughly to ensure there is no remaining **Black Mamba FHG®** before re-gluing the sink to the countertop.

FAQ

Black Mamba FHG®

What is the cure time?

Skin formation within 10 minutes. Cure rate: 5 mm per 24 hours

Does the environment / weather affect BM performance? (during Installation)

No, not at all. The only thing that could be affected is the curing time, which may be slowed down at lower temperatures and lower relative humidity.

Does the company that makes Black Mamba cover warranties

We warrant the product not the application.

Will Black Mamba work without clips?

When used as directed, clips aren't required.

How long do plumber's have to wait before they can install the p-trap and drain?

We recommend 24 hours for best results.

Do you need a special caulking gun?

You can use standard caulking guns, however, for best performance we recommend using the Black Mamba gun. It provides a 35:1 thrust ratio.

What is the best method to get full compression when using Black Mamba?

To achieve full compression when using Black Mamba, we recommend using clamps or a sink setter to apply even pressure to the sink for a short period of time. This will ensure a tight and secure fit and create the necessary suction to hold the sink firmly in place.

Is it only used for thin/light sinks?

No, Black Mamba works for all types of sinks. To ensure proper adhesion, make sure the amount of product you apply is proportional to the weight that it will hold.

What is the proper best solvent for cleanup of Black Mamba?

The recommended solvents for cleaning up Black Mamba adhesive are acetone or denatured alcohol.

What is the strength of Black Mamba?

Over 360 psi.

What is the heat rating?

Temperature rating goes from -40°F to 2°F (-40°C to 140°C)

