3D上色套装使用指南
3D Paint Kit Usage Instructions

❶ 产品介绍 Product Introduction

水性丙烯酸环保涂料 Water-based Acrylic Paints

1. 灰色底漆 Surface Primer
2. 水性丙烯酸颜料 Acrylic Model Colors
（蓝Blue/红Red/黑Black/黄Yellow/白White）
3. 哑光清漆 Matte Varnish
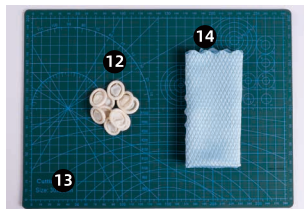
上色工具 Paint Tools

4. 笔刷 Paint Brushes：
（平刷Flat Brush*4 /勾线笔Liner Brush*2 ）
5. 保湿调色盒套装 Wet Palette Set
6. 模型涂色手柄套装 Paint Handle Set
（涂色手柄Paint Handle/蓝丁胶Blu-tack）
7. 遮盖胶带 Masking Tape

打磨工具 Grinding Tools

8. 斜口钳 Snip
9. 锉刀 Files
10. 美工刀 Craft knife
11. 砂纸 Sandpaper（120/220/600）
    海绵砂纸 Sponge Sandpaper（180/280/600）

防护用品 Protective Equipment

12. 指套Finger Cots
13. 切割垫 Cutting Mat
14. 鱼鳞抹布 Cleaning Cloth

上色流程 Painting Process

初步打磨 Initial Sanding ❽❾❿⓫	➡	准备 Preparations ❺❻	➡	涂底漆 Apply Primer ❶❹
				⬇
涂保护漆 Apply Varnish ❸❹	⬅	涂色 Apply Colors ❷❹❼	⬅	二次打磨（选做） Secondary Sanding ⓫

❷ 上色指南 Painting Instructions

使用本套装前，请将模型从平台取下，并清洗干净模型。若模型有支撑，请先去除大部分支撑。
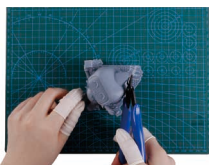
开始前，请穿戴指套；将切割垫铺在工作台上，避免上色过程污染工作台。

Before using this 3D paint kit, please remove the model from the platform and clean it thoroughly. If the model has supports, please remove most of them first.

Please put on finger cots first and place the cutting mat on the workbench to avoid contaminating the workbench during the painting.

打磨 Sanding

修剪较明显的残留支撑和突起，初步打磨模型。
Remove the obvious supports and protruding parts, and initially sand the model.
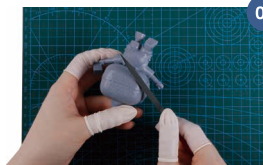

01

用斜口钳修剪支撑
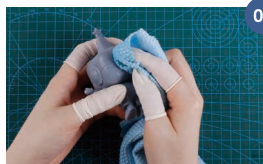Remove the supports with snip

02

美工刀切削细微支撑
Cut off the tiny supports
with a craft knife

03

锉刀磨去凸点
Remove the support marks
with files

04

砂纸和海绵砂纸进行精细打磨
然后用清水和抹布洗去表面粉尘
Sand with sandpaper and sponge sandpaper,
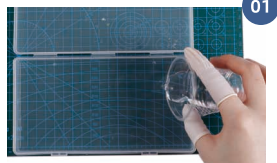then wipe off the dust with water and a cloth

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砂纸目数选择
Grit Selection

· 200目以下用于粗磨，打磨后表面会有明显磨痕。
  ＜200 grit is used for rough sanding. There will be obvious scratches on the surface after sanding.
· 200-500目用于初步打磨，打磨后表面看不出明显磨痕，但仍不够精细。
  200-500 grit is used for preliminary sanding. After sanding, there are no obvious scratches on the surface, but it is still not fine enough.
· 600-800目用于精细打磨，打磨后表面较细腻。
  600-800 grit is used for fine sanding. The surface is comparatively smooth and delicate.
· 为获得最佳打磨效果，请按表面纹理打磨并按从粗到细的顺序进行打磨。
  For the best sanding results, sand with the grain of the surface and work through a sequence of grits, from coarse to very fine.
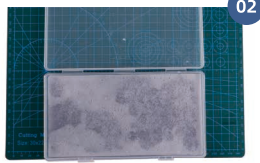
准备 Preparation

1. 准备颜料保湿盒。
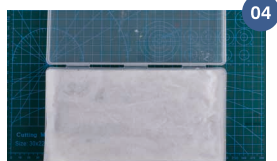**Prepare the wet palette.**

01

取出海绵，往保湿盒中
倒入盒子一半高度的水
Take out the sponge and pour
half of water into the tray

02

放入海绵，轻轻按压
使海绵充分吸水
Press the sponge to make it
damp but not soggy

03

在海绵上放一张纸巾
Place a tissue on the sponge

04

放入调色纸
Put the palette paper in

2. 若模型较小、较轻，可将模型固定于上色手柄，便于后续上色。（选做）
If the model is small and light, it can be fixed on the paint handle for easier painting. (optional)

01

取出蓝丁胶，拉扯使其展开
Take out a piece of blu-tack
and stretch it out

02

揉成符合模型底部的大小
Rub the blu-tack to the size
that matches the bottom of
the model

03

按压底部使模型固定在手柄上
Press its bottom to fix it

涂色 Coloring

1. **涂底漆：**覆盖模型底色，便于查看瑕疵和颜料附着。涂底漆前，请确保模型已清洗后干燥，表面无油污、树脂残留、灰尘等。若一层底漆覆盖不足，待风干后，可再涂一层。待底漆干透，可根据模型情况，进行二次打磨，或直接涂色。
Apply primer: Cover the model with the primer to enhance the adhesion of colors and facilitate the inspection of defects. Before applying the primer, please make sure that the model has been cleaned and dried, and there is no oil, resin residue, dust, etc. on the surface. If one layer of primer is insufficient, another layer can be applied after drying. When the primer is completely dry, you can perform secondary sanding or apply the colors.

2. **二次打磨（选做）：**模型底漆干透后，若发现仍有较明显瑕疵，可以使用打磨工具进行第二次精细打磨。打磨后若底漆有脱落，可适当进行补涂。
Secondary sanding (optional): When the primer is completely dry, if there are still obvious defects, you can perform the sanding again to get a finer model. If the primer falls off after sanding, it can be appropriately supplemented.

3. **调色（选做）：**使用现有的颜料混合，可以调配出更多颜色。调配时注意选择合适的颜色和比例。例如，白色可以使颜色更浅，若需要调出浅色，可往白色颜料中少量多次加入颜料，调出适合的颜色。
Blending (optional): Mix the existed colors to get more colors.The colors and the proper proportions is key to blending. For example, white can make the color lighter. If you need a light color, add a small amount of other colors to the white colors multiple times to blend.

以下调色搭配案例可供参考，调色时可以发挥想象力调出更多的颜色。
The following color mixing examples are for reference only. Use your imagination to get more colors.

● + ● = ●	紫色 Purple	● + ● = ●	深紫 Dark Purple
● + ● = ●	绿色 Green	● + ● = ●	紫红 Mgenta
● + ● = ●	橙色 Orange	● + ● = ●	黄绿 Yellow Green
● + ○ = ●	粉色 Pink	● + ● = ●	松绿 Turquoise
● + ○ = ●	浅蓝 Light Blue	● + ○ = ●	浅肤 Light Fesh
● + ○ = ●	浅黄 Light Yellow	● + ● = ●	褚色 Burnt Red
● + ○ = ●	灰色 Grey	● + ● = ●	棕色 Brown

4. 涂颜料：根据需要选择对应的颜色，或调出对应的颜色，为模型上色。

Apply colors: Paint the model with the provided colors or the new colors by blending the provided.

5. 涂保护漆：模型颜料干透后，为模型涂上一层保护漆，延长上色模型的寿命。

Apply varnish: When the colors is completely dry, apply a layer of varnish to protect the model.

以下图示以涂颜料为例，涂底漆和清漆的步骤相同。

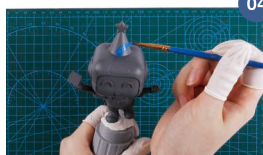**Here shows the way to apply color, which is the same for applying primer and varnish.**

摇匀颜料
Shake the color well

在调色纸上滴入适量颜料
Drop an appropriate amount
of color on the palette paper

在清水中软化笔刷
再在抹布上蘸干
Soften the brush in water
and then dry it with a cloth

蘸取少许颜料，顺模型表面方向运笔
Dip a little color and paint along the surface of the model

上色建议
Suggestions for Painting

·涂色时尽量薄、均匀；切勿在半干时来回或重复涂抹，可能导致模型表面涂料不均匀。
  Apply the paint as thinly and evenly as possible. Do not rub back and forth when it is semi-dry,
  which may cause uneven coating on the surface of the model.

·待第一层涂料干透后，视覆盖情况，可再涂几层，增强覆盖效果。
  When the first layer of paint is completely dry, several more layers can be applied to enhance
  the coverage effect depending on the performance of its envelop.

·先涂浅色，后涂深色。浅色区域干透后，用遮盖带覆盖，避免沾到深色颜料。
  It is recommended to apply colors from the light to the dark. After the light-colored area is dry,
  cover it with masking tape to avoid the darker colors stain the area.

·挤出涂料后，请保持瓶口清洁，尽快盖上瓶盖，以免涂料固化堵塞瓶口。
  After squeezing out the paint, please keep the bottle cap clean and cap it as soon as possible
  to prevent the paint from solidifying and blocking the tip.

❸ 清理与维护 Cleaning and maintenance

上色过程中，请注意维护上色工具，并保持工作台清洁。
Please pay attention to maintaining the tools and clean the workbench during the painting.

1. 若超过30s不使用笔刷，请立即用清水洗净刷毛。残留的涂料会使刷毛干硬，影响后续上色质量和笔刷寿命。不可长时间浸泡笔刷，易导致笔杆受损、刷毛变形。
If the brush is not used for more than 30 seconds, please rinse it immediately. The paint will damage the bristles to affect the subsequent coloring quality and brush life. Do not soak the brush for a long time, which may damage the pen handle and deform the bristles.

用清水涮洗笔刷
Rinse the brush with water

在纸巾上蘸干
查看是否还有颜料残留
Dry it with a tissue
check if it is cleaned up

重复涮洗至纸巾上无颜料残留
Rinse the brush until there is
no residual color on the tissue

2. 及时用清水洗净锉刀、美工刀等其他工具。
Clean the files, craft knives, and other tools with water in time.

3. 若美工刀头有缺损，请及时更换。
If the blade of craft knife is damaged, please replace it in time.

4. 若颜料不慎沾到工作台上，请及时用抹布擦拭。
If the workbench is stained by paints, please wipe with a cloth in time.

5. 若涂料瓶口被堵塞，请勿用力挤压涂料瓶。请用针疏通瓶口，再挤出瓶口固化的涂料，以免涂料喷出。
If the color bottle tip is blocked, do not squeeze the bottle hard. Please use a needle to unblock the tip, and then squeeze out the solidified color on the tip to prevent the color from spilling out.

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❹ 注意事项 Precautions

1. 请将3D上色套装放在儿童触碰不到的地方。
Please keep the 3D Paint Kit out of reach of children.

2. 使用尖锐工具去除支撑或打磨模型时，请使用防护工具，以免造成损伤。
When using sharp tools to remove supports or sand models, please use protective tools to avoid injury.

3. 涂料不可入眼、不可入口。
Do not let the paints enter the eyes or mouth.

4. 若长时间不使用涂料，请盖紧涂料瓶盖，放置在阴凉避光处保存。涂料保存得当，可使用时限为出厂后一年半。
If the paints are not used for a long time, please tightly cap the paint bottles and store them in a cool and dark place. The paint can be used for one and a half years after leaving the factory if stored properly.

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