

INSTRUCTION

First of all, we would like to thank you for purchasing our product “Clay Modeling Film” with various colors.

This instruction indicates the notices for preventing the accident / malfunction and the standard instruction on use of this product. Before using this product, please read through this “For Safety” and “Instruction Manual on Use of Clay Modeling Film”, then handle this product in safe and proper way. In addition, even after reading through this manual, please keep it in a place where you can read anytime.

For Safety

Clay Modeling Film

<Features of this product>

Clay Modeling Film is the product mainly developed to be used for modeling and fitting. Especially for the model made by industrial clay, Clay Modeling Film is primary pasted on the surface of clay and used for surface hi-light checking. The model is expressed and comes much closer to the reality fitting with this product. For Clay Modeling Films, because pre-applying paint or using solvent is unnecessary, it is good for the environment and can be pasted on and peeled off the clay surface easily. The detailed parts of model can also be checked and modified easily. In addition, because the watered glue is used for adhesion, the adjustment of pasting can be easily done.

※ As for Clay Modeling Film Clear, unlike pre-colored Clay Modeling Film, applying the paint (organic solvent) is necessary beforehand.

<Use of Clay Modeling Film>

For modeling and fitting done by industrial clay

For modeling and fitting done by resin model

For other applicable modeling and fitting

<The components of Clay Modeling Film>

1: Clay Modeling Film is composed of three layers.

Clear protective cover ----- PET resin

Film ----- Cellulosic resin

Underside paper adhesive cover ----- Paper and starch glue

※ When disposing of above materials, please accord to relevant laws of local governments as required.

2: The materials used for the packing box is as follows:

Cardboard and paper made inner pipe ---- Paper

Pipe holder ----- Plastic (PP)

※ For starch glue is used, the water used for peeling off the film can be drained directly into sewers.

CLAY MODELING FILM

The Meaning of Warning Signs

“For Safety” shows the following indications. Please understand the contents first before reading the main text.



If not following the notice of this symbol, the fire might cause injury or possible death.



If not following the notice of this symbol, the fire and other accidents may cause injury and damage to the adjacent property.



If not following the notice below, the fire may cause injury or possible death.

Keep the product away from heat-source at all times and do not use it near heat-source

It may cause the fire.

When using paint in the process, keep it away from heat-source

The solvent in the paint is flammable. Please take caution when spraying the paint on the film.



PROHIBITION

If not following the notice shown below, the accidents may cause injury and damage to the adjacent property.

Carry by two persons

Since this product is heavy, if not carrying by two persons with both hands, it may cause the drop of the product and injury.

Keep the product in the stable place

Do not keep this product on the unstable counter/table or lean it over the wall. It may cause the drop of the product and injury.

Do not touch the tip or the cut section of film

Because the shape is sharp, it may cause injury by making a cut or slash on hands.

INSTRUCTION

When using the film, pay attention to surrounding

If using this product without paying attention to surrounding, it may cause an unexpected accident or injury.

When using the paint, pay attention to surrounding environment

The solvent in the paint may cause illness. Take appropriate measures and handle in well ventilated area.

Do not peel off clear protective cover with force

If peeling off clear protective cover with force, it may cause static and in some cases, a precision machine may malfunction. Please take appropriate measures for static.

Always wash hands after using the product

Even though starch glue on the film is no harm to human body, please make sure to wash hands after using the product. If having allergic constitution, it may cause the eruption on the skin. Please take appropriate measures.

The Notice on Use

<The notice of the place or area where this product should not be kept for the storage>

When in use or even in storage, please do not keep this product in the following places or situations.

Do not keep this product in the place under high or low temperature

It may alter the formation or the quality of this product.

Avoid direct sunlight

It may alter the formation or the quality of this product and it may cause fading of color.

Do not keep the film under the condition with high humidity or high steam

It may alter the formation or the quality of this product when used.

Do not leave the film loosened

If leaving the film loosened, the pockets of air stay between clear protective cover and the film which may cause wrinkles or line-like patterns.

Do not place a heavy package on top of the film

It may cause the deformation of film and damage on the film.

<On Use>

Do not give a shock to the film

If giving a great shock to the film, it may cause damage and deformation on the film.

Cutting the film right before using and applying on the clay model

If leaving the cut film as is for a while, the air pocket between the film and clear protective cover causes discoloration and deformation.

Cutting the film in straight line

We recommend to cut the film in straight line in roll width. Otherwise, the air coming in from the cut layer might cause discoloration and deformation.

Peeling off clear protective cover right away after cutting the film

The air easily comes in between the film and clear protective cover. The air pocket might cause discoloration and deformation.

Rolling the rest of unused sheet of film back very tight

If not leaving the unused sheet of film tight enough in roll, the air comes in between the film and clear protective cover or it might cause discoloration and deformation. We recommend to roll it back very tight and tape with crepe tape at each end of film, then wrap with plastic bag and put it back to the box.

Do not reuse the film

There might be the possibility of denaturation or deterioration on the film which is once soaked in the water or pasted on the surface of model. We strongly suggest not to reuse the film.

Do not reuse the once peeled-off clear protective cover

If reusing and placing clear protective cover on the film and keeping in storage, the pockets of air stay between clear protective cover and the film. It may create the air bubble-like pattern appeared on the surface of film.

※ This product is considered a modeling material. Do not use this product for other purposes.

※ When using paint or any kind of solvents, please follow the appropriate instructions and use it safely.

※ When using an edged tool, please follow the instruction and use it safely.

Exemption from The Responsibility

※ This product is subject to change without notice.

※ If this product is once proved as the deficient good, the exchange with replacement will be provided. We disclaim any responsibility other than previously stated reason.

※ To the best of our knowledge, the information herein is given in good faith, but no warranty, expressed or implied, is made.

※ For the loss or damage caused by other than directed by this instruction, we disclaim any responsibility.

If you have any further question, please contact us.

INSTRUCTION MANUAL ON USE OF CLAY MODELING FILM

For users of this product for the first time, please read through the following instruction ①～⑦ first. Then, we also recommend to do some “try-outs” on pasting the film before doing the actual pasting.

To work on the valuable model with the film, by doing some “try-outs” beforehand, we think that you can understand more about the function and specific characteristic of this product.

1. Preparation

To make smooth process, please plan the process, secure the proper place, and prepare the needed equipments beforehand.

For general equipments, please prepare cutting tools such as scissors or cutter to cut the film, a receptacle such as bucket or vat to soak the film into, a water sprayer, a rubber spatula to push out air and water between the model surface and the film, and towels or paper cloth to wipe.

In addition, on the process of pasting the film, there will be much water to be used and you could easily get dirty, so we suggest wearing proper clothes and choosing the appropriate place for the process.

In planning the process, you should consider how much film to use beforehand in order to make the process smooth.

2. Cutting the film into the needed size and preparing the number of sheets needed

The film should be cut in roll width right before using. Thus, it is better to measure the part of model where you want to paste the film on and prepare the film into the needed size, shape, and the number of sheets needed beforehand. Considering the smooth process of pasting the film, the film should be cut slightly in wider or larger size than the desired surface size. Also we recommend not to try and paste the wider surface with one large sheet of film at once. The process should go smooth if marking off the part and preparing the sheets of film for each part beforehand. When cutting the film, the scale mark printed on underside paper adhesive cover will be useful.

Thin line: 100mm plotting (50mm scale mark), Thick line: 500mm plotting.

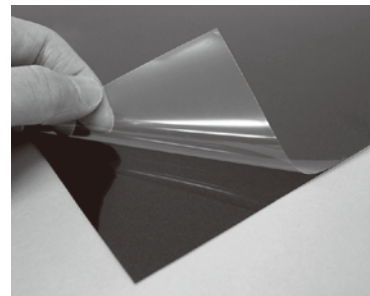
We recommend to roll it back very tight and tape with crepe tape at each end of film, then wrap with plastic bag and put it back to the box.

※ When cutting with sharp equipment, please wear gloves or take appropriate measures for preventing from injury.

3. Peeling off clear protective cover

Clay Modeling Film are composed of three layers, which are clear protective cover, film, and underside paper adhesive cover (watered glue). Peel off clear protective cover gently right away after cutting the film.

※ The surface of film itself without clear protective cover easily gets damaged. Please handle it with care.



4. Important notice for Clay Modeling Film “Clear”

(If not using clear film, please skip this section and proceed to 5)

As for Clay Modeling Film “Clear”, unlike other pre-colored clay modeling films, it is not pre-colored and can not be used as is. The method of use of film “clear” is partially different from other pre-colored films (Silver, Red, Black-Metallic etc). We, herein, put additional explanation on film “clear”.

Please make sure to apply the paint such as organic solvent on the surface of film! Without painting, film “clear” does not stretch at all. It becomes elastic by the effect of organic solvent (thinner etc). Please proceed to section 5 after applying the paint and letting the painted film semi-dry.

※ Depending on the amount of paint to use and the work environment, the time of soaking and drying out the film will vary. Therefore, we recommend doing some “try-outs” to acquire first.

※ To ensure the safety, please install appropriate equipment so that sufficient ventilation can be ensured and exposure to exhausted gas can be avoided.



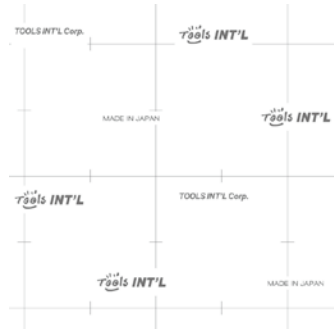
INSTRUCTION MANUAL ON USE OF CLAY MODELING FILM

5. Soaking film

Soak the film into warm water for some time using larger bucket or vat which is easier to work with. When soaking it into the water, place the colored side down and underside paper adhesive cover side up. That way, you can check the condition of absorption of water in the film easily. As water is absorbed evenly into underside paper adhesive cover, peel off the cover. The time of soaking the film in the water will vary depending on the size of film and environment condition. The standard soaking time is about 1 minute or as sliding the edge of underside paper adhesive cover and it slides smoothly, it is ready to use. From this point on, we recommend to work on with more than 2 people for smooth process.

※ The film without underside paper adhesive cover gets slimy, that is just because of glue for adhesion and it is necessary for pasting the film.

※ If soaking the film in the water for a long time, the glue in the underside paper will dissolve into water and the adhesion might get weak.



6. Pasting the film on the surface of model

Prior to applying the film on the surface of model, spray water on the model enough by a water sprayer. When pasting the film in place, in order not to develop wrinkles, please make sure to stretch the film in moderation and fit it gently to the shape of parts. Even if wrinkles or air bubbles appear at this point, they can be easily removed.



During the wet condition, the film is pasted by water surface-tension, so remove gently the pockets of air and water between the model surface and the film with a rubber spatula. For this process, if removing the pockets of air and water with force, it might cause the damage on the film itself. For reference of the good tip of pasting the film well, during this process, spray water constantly on the surface of the film.

Remove the pockets of air and water from the center to the outward to stretch out wrinkles and slowly set the film in place. After this process, please wipe the left glue and water with paper cloth gently.

※ If water-drops are left to dry, they leave non-removable stains after dry-out. Please make sure to dry it out after completely wiping the water from the surface of the film.



7. Cutting off the unneeded parts of film

Cut off the unneeded parts of film or the film sticks with each other with an appropriate cutter. After the film becomes dry, the film sticks with each other and becomes difficult to be cut, so please make sure to cut while the film is wet.

This above instruction is standard method for the use of Clay Modeling Film. If you have any question regarding this instruction, please contact us.

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クレイモデリングフィルムを安全に正しく使用していただくために How to Safely and Correctly Use Clay Modeling Film

クレイモデリングフィルムは、取扱説明書のとおり使用していただくとともに、特に以下の点を守って正しくご使用ください。

Follow the instruction manual and pay close attention to the following points.

●使用する直前にカットする

Cut film just before use and application to the clay model.

カットしたフィルムをそのままにしておくと、フィルム本体と表面保護フィルムとの間より空気が入り、フィルムが変色したり、変性する原因となります。

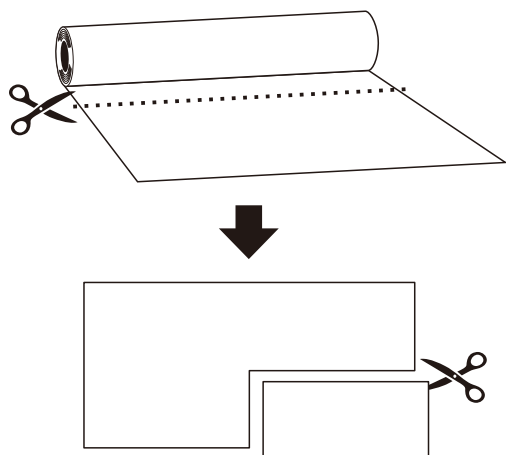
Leaving out cut film can lead to air pockets forming between the film and clear protective cover, which may cause discoloration and deformation.

●直線でカットする

Cut the film in a straight line.

ロール幅でカット後、必要なサイズに切り分けてください。ロールの幅で真っ直ぐにカットしないと、切断面より空気が入りやすく、フィルムが変色したり、変性する原因となります。

After cutting the film to the width of the roll, cut the sheet into smaller pieces as necessary. We recommend to cut the film in a straight line along the full width of the roll. Otherwise, air may enter the cut layer and cause discoloration and deformation.



●カット後すぐに表面保護フィルムを剥がす

Peel to remove the clear protective cover immediately after cutting the film.

フィルム本体と表面保護フィルムとの間より空気が入り、フィルムが変色したり、変性する原因となります。

Air easily enters the space between the film and clear protective cover. These air pockets may cause discoloration and deformation.

●しっかりとフィルムを巻き戻す

Tightly roll the remaining unused sheet of film and secure.

弛んだ状態で保管すると、フィルム本体と表面保護フィルムとの間に空気が入ったり、フィルムが変色したり、変性する原因となります。カットした後は、フィルムを弛ませずにしっかりと巻き戻し、端をテープで止めて、ビニール袋に包み、箱に戻して保管してください。

Failing to roll the remaining film tightly and securely after use can allow air to enter between the film and clear protective layer, or cause discoloration and deformation. We recommend to roll it back up very tightly and secure with crepe tape at each end of the film, then wrap the roll in a plastic bag and store it back in its box.



クレイモデリングフィルムはデリケートな製品のため、何卒ご理解とご協力を賜りますようお願い申し上げます。

Clay Modeling Film is considered to be a delicate product. Your understanding and cooperation with proper use of this product is appreciated.

本件に関するお問い合わせ窓口 Contact us for any questions or inquiries about Clay Modeling Film

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