

Clay Modeling Film - Introduction

First, we thank you very much for showing an interest in our Clay Modeling Film. This “new” product began development in 1991 in Asia. It has been test marketed now for about three years and currently has a very good reputation in the automobile design industry throughout Asia and Europe and is gaining popularity in the United States.

Clients currently using this Modeling Film include most of the major auto design firms in Japan, VW and GM in China, Hyndai, Daewoo and Samsung in Korea, VW, Audi, Mercedes and SEAT in Europe and Nissan, Honda, Mitsubishi and Ford in the U.S.

The Clay Modeling Film is an adhesive backed membrane, available in two pre-pigmented colors, hi-gloss metallic silver and black or in a clear membrane form, which can be painted as required. The film is used specifically for checking the highlights of a clay model or for qualification studies and presentation models. All of the films have excellent elasticity for application onto corners or into concave areas.

There is no need to paint the pre-colored modeling film, as required with Di-Noc, therefore you won't experience a color variation on the film in either its original form or after the film has been stretched and applied to a model. There is no need for over-spraying to assure that you have enough painted material (normally 20%) and the Chavant Modeling Film has a shelf life of over one year so there is no need to use it immediately as with painted DiNoc. These are the primary differences between Di-Noc and our modeling film.

The film is most often delivered in its pre-colored form eliminating painting. This translates into many areas of savings including lead times, material and labor costs associated with priming and painting, and eliminates the environmental regulatory problems associated with VOC emissions.

After soaking the film in warm water for a few minutes, the modeling film can be used instantly. The quantity of adhesive is closely monitored during production eliminating the need to remove the excessive adhesive often required during the use of Di-Noc. The film can be stretched around corners and pressed into concave areas. Hot water, hot towels and hot air guns can be used to increase the film's flexibility.

It is easy to remove the film, in one piece, after application without any damage to the clay model. The primary reason this film was developed was to check the highlights on clay body parts. It can also be used for checking component parts, the entire side of clay model, to observe whether the completed clay model surface is smooth or not and whether the shape of model is compliant with the modelers interpretation of the designers concepts.

Prior to application the film is generally cut, oversized, to fit on the clay parts. It is then soaked in water, applied and trimmed for qualification studies. Recently many modelers are using these films not only for checking the highlights but also for the entire clay model presentation.

The clear film can be painted with the modelers favorite colors offering flexibility for important verification and presentation exercises. The clear film is similar to the pigmented film so it is also can be used instantly and is easily removable without any damage to the clay surfaces.

CLAY MODELING FILM INSTRUCTIONS

SILVER and BLACK

1. Peel off the clear protective cover from the surface of film and cut to size, slightly wider than the desired surface. (Usually, the film is pasted onto each of the car parts separately)
2. After a few minutes of soaking in warm water, peel off the underside paper adhesive cover.
3. Wet the surface area of the model you want to cover with water and paste the film in place, stretching from both sides, fitting to the shape of the object.
4. Push out the air and water between the model surface and film with a rubber spatula, stretching the film. (You may use hot water or a hot air gun on the film for complex R shape places such as the corners)
5. Cut off needless parts with an appropriate cutter.

CLEAR

1. Peel off the clear protection cover from the surface of the film and cut to size, slightly wider than the desired pasted face (Usually, the film is pasted onto each of the car parts separately)
2. Paint thinly a few times. Basically there is no problem to use the same paint that is used for automotive painting. It is acceptable to use a paint that contains a solvent of thinner. The thinner will soften the film making it more elastic.
3. Allow painted film to dry.
4. After a few minutes of soaking in warm water, peel off the underside paper adhesive cover.
5. Wet the surface area of the model you want to cover with water and paste the film in place, stretching from both sides, fitting to the shape of the object.
6. Push out the air and water between the model surface and film with a rubber spatula, stretching the film. (You may use hot water or a hot air gun for complex R shape places such as the corners)
7. Cut off needless parts with an appropriate cutter.

Specifications:

- The size of each film roll is 930mm x 30m
- Net weight = 25 pounds.
- Shelf life is approximately one year.
- Available colors: Silver, Black and Clear
 - Delivery times: Silver is a stock item. Black and clear - approximately two weeks

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