

**REQUIRED EQUIPMENT**

- ◆ Masking tape
- ◆ 1-litre spray bottle
- ◆ Larger garden-type sprayer
- ◆ Application solution: clean water with a few drops of neutral soap
- ◆ Ready-to-use application gel for strongly curved areas
- ◆ Demineralised water
- ◆ Steam cleaner or heat gun
- ◆ Felt-edged and hard plastic squeegees
- ◆ 30° snap-off blade cutter and spare blades
- ◆ Surface cleaner and degreaser
- ◆ pH-neutral car shampoo
- ◆ Lint-free microfibre cloths
- ◆ Absorbent paper
- ◆ Optional: ceramic coating kit for after-care

**STORE YOUR FILMS CORRECTLY**

Keep the film away from heat sources (radiators, heaters, direct sunlight). The best temperature is 15 to 25 °C (59 to 77 °F) with about 50 % relative humidity.

Keep the rolls in their original packaging, in a dry place, and always upright, so the film is not crushed by its own weight.

**APPLICATION GUIDE**

Paint protection film

**MULTI PRO****FEATURES**

MULTI PRO is a transparent, adhesive-coated TPU paint protection film made to protect the paint of a vehicle. It heals itself at ambient temperature. Its shock-absorbing structure helps protect the bodywork against chips from stones, insects, car doors and car-wash brushes. The finish is gloss.

**PREPARING YOUR APPLICATION SURFACE**

MULTI PRO can be applied to a vehicle body when the surface is clean, smooth, non-porous and free of oil, grease, wax, silicone and other contaminants. Always assume that every surface is dirty and needs cleaning.

Test first on a small, hidden area to check that the film and the surface are compatible.

For more technical information, see the technical data sheet at [multipro.protectionhousegroup.com](http://multipro.protectionhousegroup.com).

**CONTENTS**

|                                     |   |
|-------------------------------------|---|
| 1. Recommendations                  | 2 |
| 2. Preliminary test of the surfaces | 2 |
| 3. Cleaning                         | 3 |
| 4. Application of the film          | 3 |
| 5. Film treatment                   | 6 |
| 6. Cleaning and maintenance         | 7 |
| 7. Removal procedure                | 7 |

Application methods are based on common professional practice and are not restrictive. The illustrations are schematic and not binding. The accessories and products you use may differ.

## 1. RECOMMENDATIONS

- ◆ The film reaches its best adhesion 24 hours after application.
- ◆ MULTI PRO is usually applied to the most exposed areas (bumper, bonnet, doors, mirrors) but it can cover the whole car.
- ◆ After cutting the length you need, keep the rest of the film on its original core. Do not cut the roll into several lengths and do not repackage it. Close the roll straight after use with tape or roll collars, without pressing on the film, to keep it in good condition.

## 2. PRELIMINARY TEST OF THE SURFACES

Before any application the installer must inspect the surface and the paint. The installer and the customer are together responsible for judging whether the surface is suitable.

### 2.1 Preliminary inspection of the surface

- ◆ Fresh paint must dry for at least 7 days at 25 °C (77 °F) so it can release its gases (outgassing). Do an outgassing test before applying the film.
- ◆ Old, powdery or flaking paint must be sanded and renewed before application, and must pass the tear-off test.

### 2.2 Tear-off test

Press a piece of strong masking tape about 2.5 cm × 5 cm (1 in. × 2 in.), plus some extra to hold, onto the surface. Fold it and pull it off with one quick pull at a right angle to the surface. The tape must meet some resistance. Repeat in several places. The installer is responsible for any damage the test may cause.

### 2.3 Outgassing test

Stick a square of about 15 cm × 15 cm (6 in. × 6 in.) of self-adhesive polyester, or of the film, on the surface. Wait 24 hours, or 2 hours at 65 °C (149 °F). Bubbles mean the surface has not finished outgassing. Repeat the test after a few days, or use the procedure below.

### 2.4 Outgassing procedure with flame treatment

Used on materials such as polycarbonate, translucent methacrylate or expanded PVC. Sweep the blue tip of a gas flame quickly and evenly, horizontally and vertically, over the whole surface to change the surface tension.

**Keep the flame moving.** A flame held on one point for more than a second can destroy the surface.

Apply the film straight after the treatment, because its effect disappears after a few minutes. Protection House is not liable for bubbles caused by outgassing.

### 3. CLEANING

Clean the surface before application. Always assume that the surface is contaminated. Some residues are invisible but still weaken adhesion.

Before using a cleaning liquid or chemical, read its technical data sheet and safety data sheet.

#### 3.1 Clean or lightly soiled surface

Wash the vehicle with a pH-neutral car shampoo, then finish with a surface cleaner and degreaser.

#### 3.2 Heavily soiled surface

Wash the vehicle with car shampoo, then use a stronger residue remover.

Use strong cleaners in a ventilated area, with protective goggles and gloves. Test first on a small hidden area, because some plastics can be damaged.

- ◆ Spray the cleaner on the dirty surface and spread it with a dry cloth.
- ◆ Wait a few minutes, spray again, then wipe dry with a clean cloth or squeegee.
- ◆ When the surface is clean and dry, finish with the degreaser.

### 4. APPLICATION OF THE FILM

The minimum application temperature is +10 °C (+50 °F). Preferably apply between +15 °C and +35 °C (+59 °F and +95 °F).

Use the wet method, either with the application solution (clean water with a few drops of neutral soap) or with ready-to-use application gel for strongly curved areas.

- ◆ For the solution, fill a spray bottle with water and add a few drops of neutral soap per litre. It is easy to remove with the squeegee while you work.
- ◆ Measure the parts to cover. Cut the film leaving a margin of at least 10 cm (4 in.) around the surface, so you can stretch it during application and avoid finger marks. **(Fig. 01)**

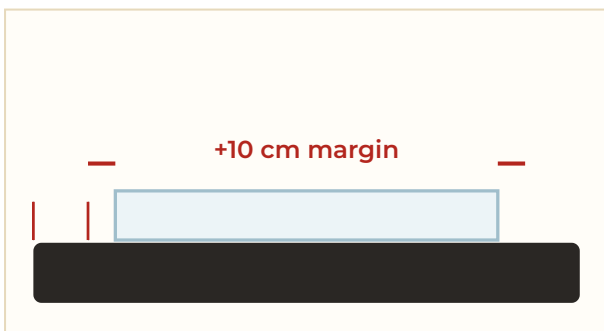


FIGURE 01 | CUT WITH A MARGIN

- ◆ Carefully separate the liner from the film. **(Fig. 02)**

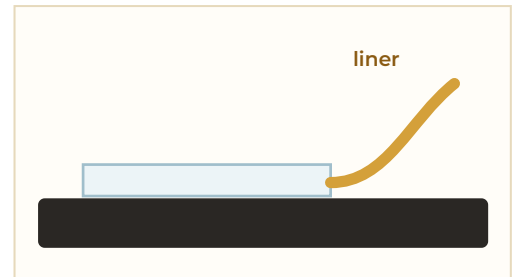


FIGURE 02 | PEEL THE LINER AWAY

- ◆ Spray the application solution or gel on the part of the bodywork to cover and on the adhesive side of the film. This helps you position the film. **(Fig. 03)**

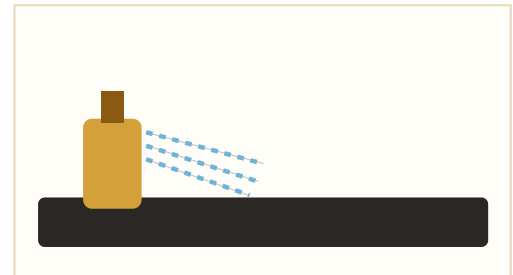


FIGURE 03 | SPRAY SOLUTION

- ◆ Stretch the film firmly and position it, adhesive side on the body, to follow the shape. **(Fig. 04)**

For concave or convex surfaces you may need to soften the film with a steamer.

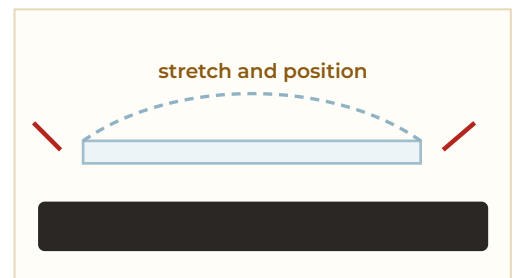


FIGURE 04 | STRETCH AND POSITION

- ◆ Choose a soft or hard squeegee according to the size and curve of the surface.
- ◆ For better glide, spray solution or gel on the film. Hold the squeegee at 45° and press firmly to attach the film and push out the application liquid. **(Fig. 05)**

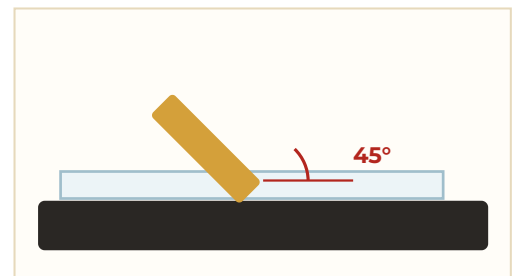


FIGURE 05 | SQUEEGEE AT 45°

- ◆ After lifting the film to adjust it, spray the film and the body again before repositioning.
- ◆ With some paint qualities you may need to activate the adhesive by spraying gel on very concave or convex shapes.
- ◆ Once the film is applied, cut it as described next.

#### 4.1 Straight cut with overlap

To avoid scratching the paint, keep the blade parallel to the bodywork. Use a new blade.

- ◆ Place the blade against the edge of the neighbouring panel and follow that edge, keeping the cutter toward the outside.

**(Fig. 06)**

- ◆ After cutting, 2 to 3 mm (about 1/10 in.) of film should overlap the edge of the panel.

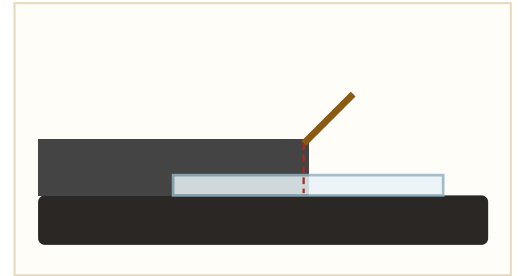


FIGURE 06 | CUT ALONG THE EDGE

- ◆ If there is no neighbouring panel, trim the surplus leaving 2 to 3 mm of overlap, and remove the excess. **(Fig. 07)**

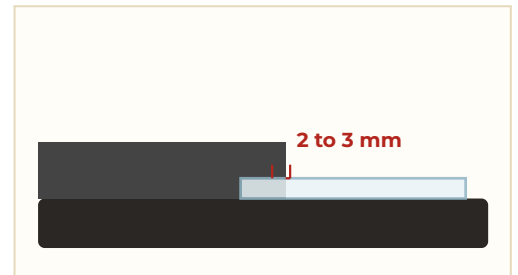


FIGURE 07 | EDGE OVERLAP

- ◆ To finish, run the squeegee over the cut, tilted toward the thinner edge. Press firmly on edges, rounded parts and neighbouring or opposite areas. **(Fig. 08)**
- ◆ Always cut corners in a rounded shape, to help the cut edges stay attached.

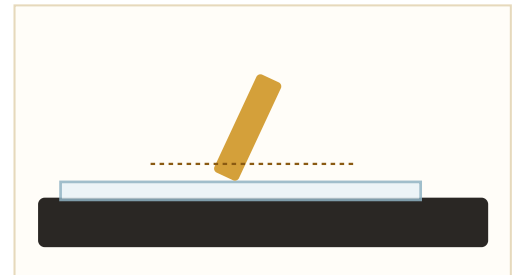


FIGURE 08 | FINISH THE CUT EDGE

#### 4.2 Cut without overlap

Use this for a cut along a seal or a trim that cannot be removed.

- ◆ Use a new blade.
- ◆ Trace the outline with a finger. Lift the film on the neighbouring part and press it into the hollow with a squeegee to mark the edge of the seal.
- ◆ Lay the blade flat on the squeegee, with both parallel to the body and perpendicular to the seal.
- ◆ Slide the squeegee and blade together over the body to make the cut, keeping the same blade angle. Remove the excess film.
- ◆ Cut corners in a rounded shape and finish by pressing the cut firmly with the squeegee.

### 4.3 Finishing

If the film was applied on a strongly curved surface with a liquid other than gel, rinse the film edges with demineralised water (or tap water if none is available) so that the adhesive grips the surface sooner.

- ◆ Place absorbent paper on the squeegee and press on the cut edges to remove as much moisture as possible. **(Fig. 09)**

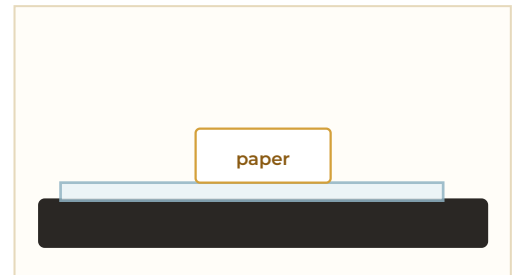


FIGURE 09 | ABSORB MOISTURE

- ◆ Press the film firmly with the squeegee onto edges, rounded sections and neighbouring or opposite faces of the body. **(Fig. 10)**



FIGURE 10 | PRESS EDGES FIRMLY

- ◆ If wrinkles appear at the edge, press them with your finger for about 30 seconds. **(Fig. 11)**

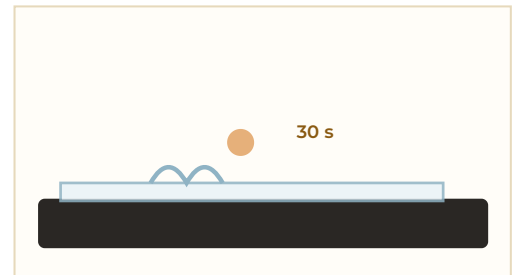


FIGURE 11 | PRESS WRINKLES BY HAND

## 5. FILM TREATMENT

To keep the film clean for longer and easier to wash, you can treat it with a ceramic or hydrophobic coating made for paint protection film, as soon as the installation is finished. This is optional and is not required for the warranty.

Apply the coating in a clean, dust-free, ventilated place away from sunlight, following the coating maker's instructions. The coating should be applied by a qualified professional.

A slight change in the look of the film after coating can happen. This is normal and does not affect the film.

A coating is a technical product that needs careful application. Marks, rings or demarcations caused by incorrect application are the installer's responsibility.

## 6. CLEANING AND MAINTENANCE OF THE FILM

Wash the film with a pH-neutral car shampoo and a soft cloth or sponge. MULTI PRO can be washed in a conventional automatic car wash that uses cleaning products meant for vehicles.

If you use a high-pressure washer, use medium pressure, keep the nozzle at least 50 cm (20 in.) away from the film and keep the water at 35 °C (95 °F) or less.

**Caution.** Do not wash the film in the first 48 hours after application. Washing too soon can weaken the adhesive and make the film peel.

**Caution.** Do not use solvents or corrosive detergents.

**Car washes.** Additives and worn rotating brushes can weaken adhesion and cause fine marks on the surface. Hand washing is the gentlest way to keep the film in good condition.

Tip: always test a cleaning product on a small area before using it on the whole surface.

## 7. REMOVAL PROCEDURE

- ◆ Gently lift a corner of the film with a blade, taking care not to damage the surface.
- ◆ Heat small areas and peel the film off slowly.
- ◆ Keep the film at an angle of 70° to 80° to the surface. This lowers the risk of leaving adhesive on the surface or tearing the film. An angle that is wider or narrower makes the film break more easily.
- ◆ Keep peeling slowly until the film is fully removed, watching the heat, the pulling angle and the pulling speed.
- ◆ If adhesive remains, rub it with a cloth soaked in an adhesive remover until all traces disappear.

Test any remover on a small hidden area first, because some plastics can be damaged. Protection House is not liable for damage caused by incompatible products.

For more technical information, see the technical data sheet at [multipro.protectionhousegroup.com](https://multipro.protectionhousegroup.com).

Substrates and applications vary a lot, so the installer must check that the film suits each application. The information in this guide is given in good faith and is not a binding guarantee. The seller is not liable for indirect damage, and its liability is limited to the replacement value of the film bought. Specifications may change without notice.



Protection House  
[multipro.protectionhousegroup.com](https://multipro.protectionhousegroup.com)  
WhatsApp: [wa.me/message/5DYJ3COOANTVF1](https://wa.me/message/5DYJ3COOANTVF1)  
Instagram: [@prote\\_ction1](https://www.instagram.com/prote_ction1) | TikTok: [@protectionhouseeg](https://www.tiktok.com/@protectionhouseeg)