



# ARLA PLAST

Applications Transportation



# Background

The desperate situation regarding the COVID-19 has forced us to adapt quickly to the evolving situation, both personally, workplace and in transportation. Most Governments are enforcing social distancing.

At Arla Plast we continue to support with various barrier and screen projects to separate people to avoid infections. There is a demand for barriers in addition to other products in transportation. The manufacturing industry is gearing up to support to drivers and passengers in transport to have barriers such as screens and transparent glazing. Converters looking for transparent, translucent and opaque barriers should contact us via our website [www.arlaplast.com](http://www.arlaplast.com).

There is a collective international effort to link suppliers to manufacturers and within our customer network so we can connect services such as routing, die-cutting, thermoforming, vacuum forming, cold bending, CNC, laser, assembly & screen and digital printing. Some key jobs require contact with people in both private and mass transportation such as people movers, taxis, public transport. The virus spreads in droplet(s) form and requires barriers products between people. This is a preventive measure for COVID-19, but also for other flu type viral infections, which are spread by droplets.

Here are some ideas and solutions as barrier preventive measures in transportation using our sheets.





# Arla Plast Applications Transportation

There is a need to install barriers into private and public transportation systems, to keep everyone safe, but communication must remain possible.

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## **APPLICATIONS:**

- Transportation shields
- Ambulances
- Taxis
- Buses
- People movers











There is a need to install barriers into private and public transportation systems, to keep everyone safe, but communication must remain possible.



# Product information:

## GRIPHEN®

is our high impact transparent sheet. The product is easy to fabricate and thermoform without pre-drying offering faster cycle times hence cost saving. The product offers high definition on thermoforming and clarity on cold and hot bending. The product can be used in point of sale and point of purchase applications. GRIPHEN® can also be used for applications where food contact is required. GRIPHEN® also offers excellent colour range, UV protected product and also the unique frosty (satin) look.

### ALSO AVAILABLE:

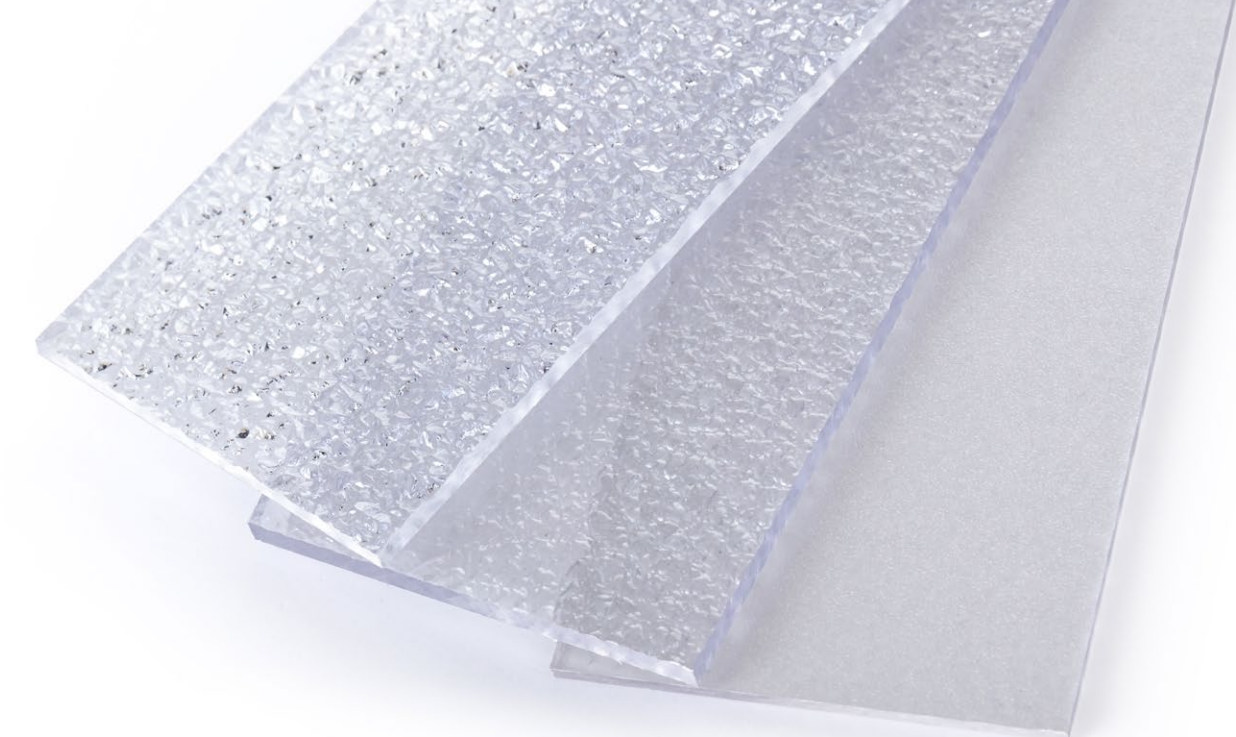
- GRIPHEN® UV (UV protected)
- GRIPHEN® COLOUR (transparent and opal colours)
- GRIPHEN® COLOUR UV (transparent colours with UV protection)
- GRIPHEN® FROST (anti reflex frost surface)

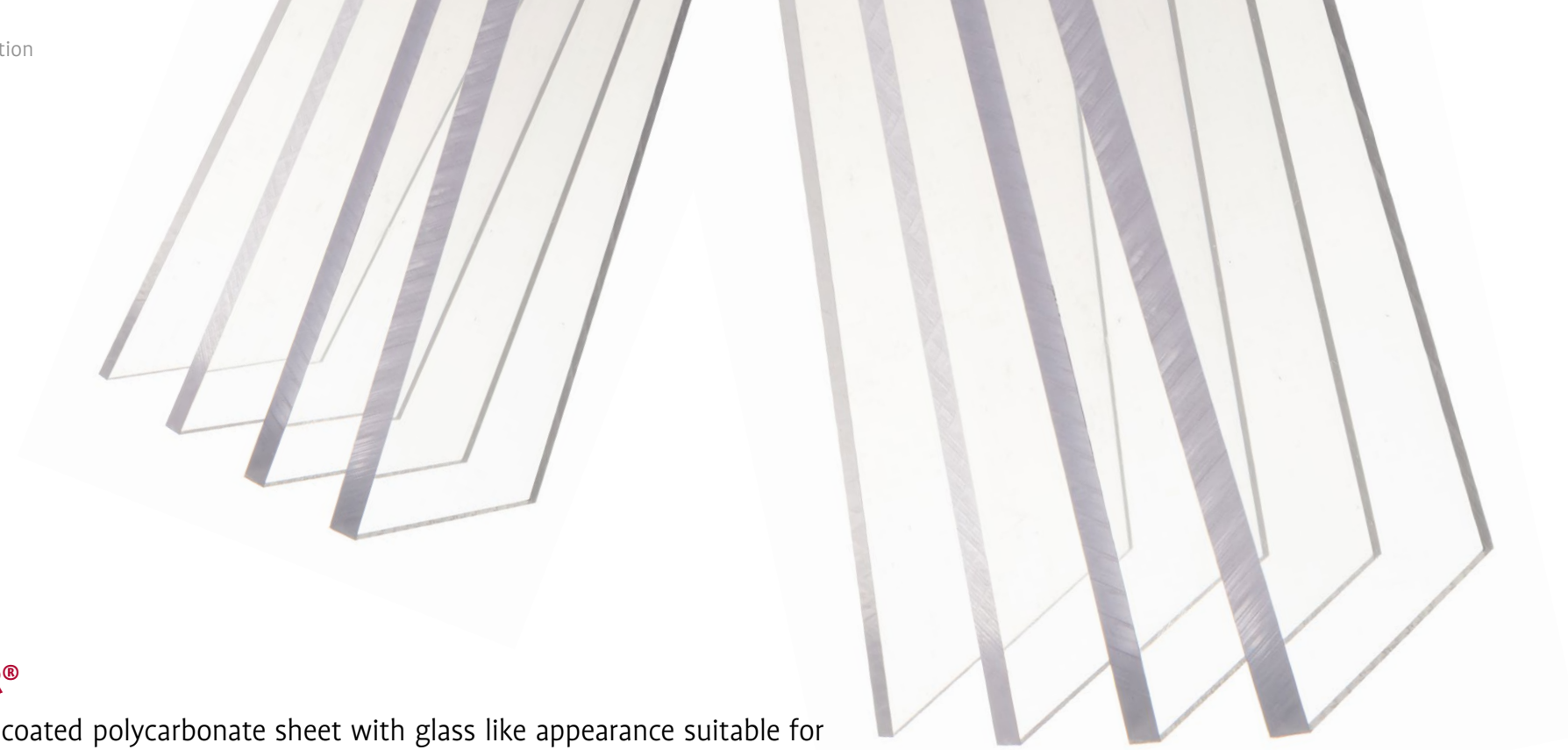


## MAKROCLEAR™

is a clear transparent polycarbonate sheet. The sheet is produced with vast knowledge of our production team experienced in mono-, co- and tri-extrusion. The product is virtually unbreakable with extremely high impact resistance and offers high temperature performance too. MAKROCLEAR™ provides designers, specifiers with possibilities to use transparent polycarbonate sheets in applications where high clarity and optical performance is required. The consistent high-quality demands from the market helps to improve machining, screen printability and thermoformability.

MAKROCLEAR™ is homologated to ECE R118 for use in buses and vehicles with more than eight seats.





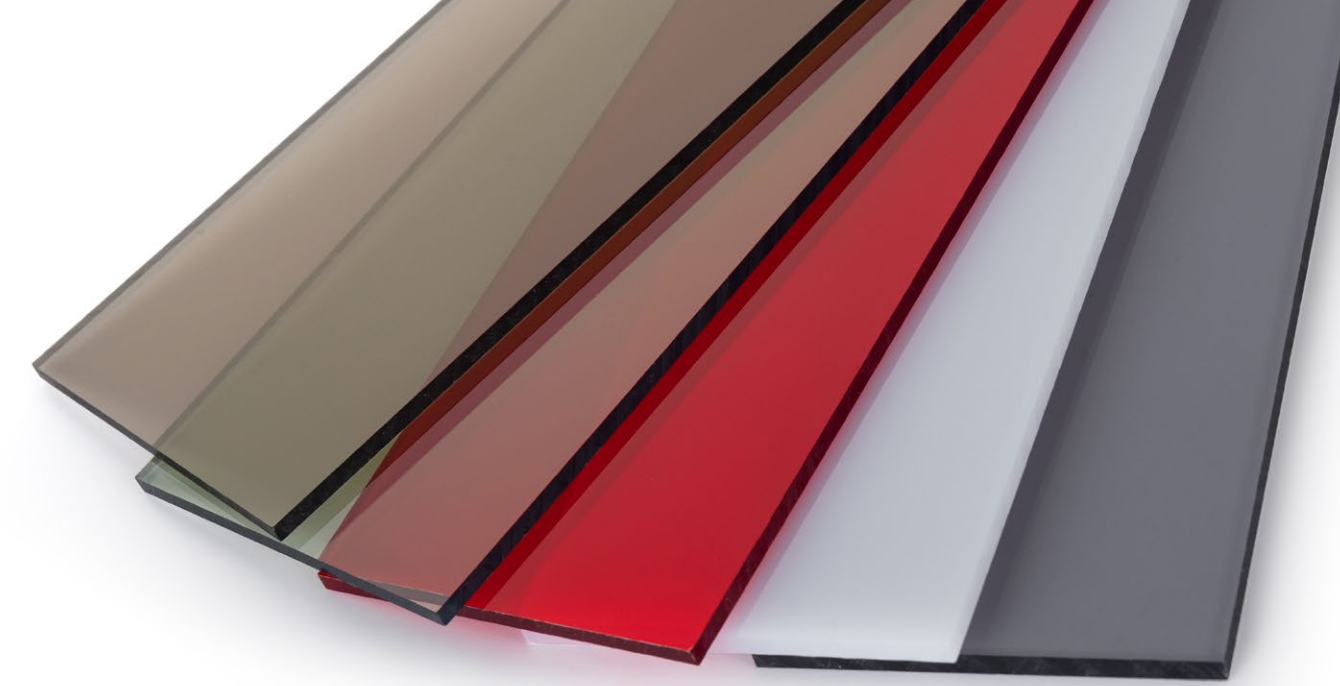
### SAPHIR®

Is a hard coated polycarbonate sheet with glass like appearance suitable for flat applications. The high impact strength of polycarbonate is combined with improved weather and chemical resistance. The product offers protection against abrasion compared to standard plastic sheets. SAPHIR® is resistant to many of the most common chemicals, and the hard coat also provides an excellent protection against graffiti and vandalism. SAPHIR® weighs about half of standard glass, yet the product is virtually unbreakable. SAPHIR® has an outstanding clarity, the hard coat even improves the light transmission of the polycarbonate sheet.

SAPHIR™ is homologated to ECE R43 safety glazing on vehicles, and some types also to ECE R118 for use in buses and vehicles with more than eight seats.

#### ALSO AVAILABLE:

- Double side coating, one side coating, any transparent colour or tint.



### COLORADO®

offers a wide range of extruded translucent or transparent coloured polycarbonate sheet. The sheet is produced with vast knowledge of our production team experienced in mono-, co- and tri-extrusion. The product is virtually unbreakable with extremely high impact resistance and offers high temperature performance too. COLORADO® provides designers, specifiers with possibilities to use transparent coloured polycarbonate sheets in applications where high clarity and optical performance in the right colour is required. Arla Plast AB offers a range of standard colours but also offers good colour matching service with low minimum quantities. COLORADO® is homologated to ECE R118 for use in buses and vehicles with more than eight seats.



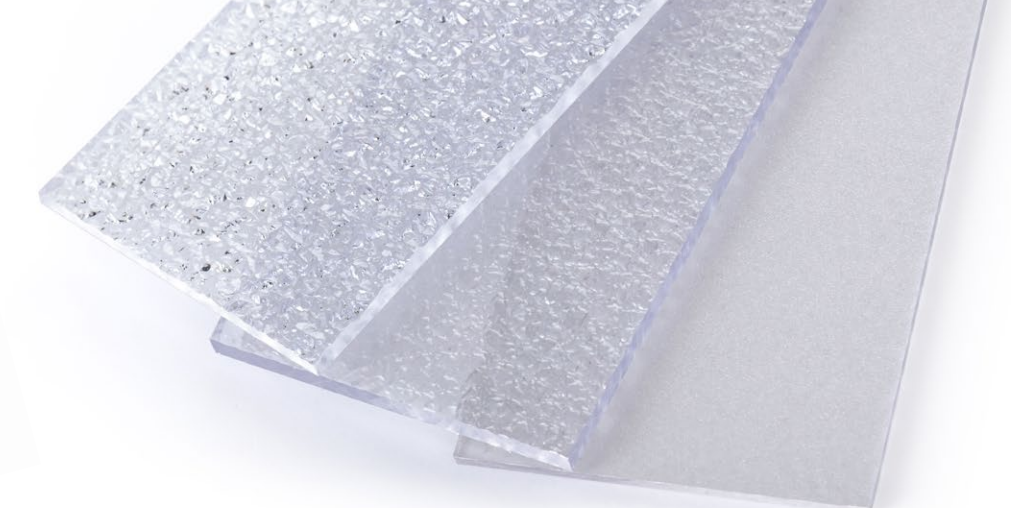
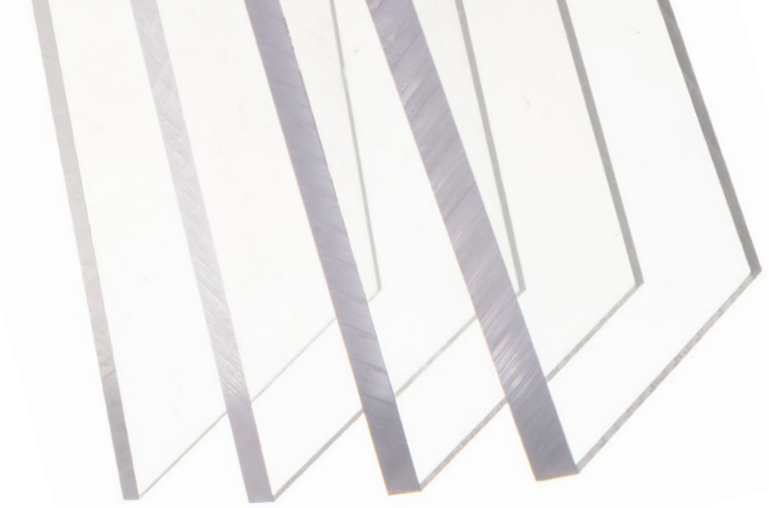


# Cleaning

## GRIPHEN®

Cleaning and disinfection instructions for GRIPHEN®:  
Clear copolyester (PETG) sheet extruded by Arla Plast, and parts therefrom.

- GRIPHEN may be cleaned by using a clean soft sponge and washing with lukewarm water containing a mild soap or a slightly acidic, neutral or slightly alkaline detergent. Then rinse thoroughly with clean water and dry with a chamois leather or a moist sponge. A subsequent anti-static treatment is recommended.
- Disinfection of the GRIPHEN surface can be performed using > 60% isopropyl alcohol (IPA), ethanol, or any other antibacterial or antiviral cleaning agent suitable for PETG sprayed or applied on a soft cloth. If necessary, followed by a wash with clean water and rinse as described above.
- Treatment with an anti-static agent keeps the sheet free from static charge and dust over prolonged periods. There are commercially available products which act simultaneously as cleaning agent and anti-static agent, e.g. Burnus Kunststoff-Reiniger + Pfleger.



## MAKROCLEAR™, COLORADO®

Cleaning and disinfection instructions for MAKROCLEAR™:  
Clear or coloured polycarbonate (PC) sheet extruded by Arla Plast, and parts therefrom.

- Sheet may be cleaned by using a clean soft sponge and washing with lukewarm water containing a mild soap or a slightly acidic, neutral or slightly alkaline detergent. Then rinse thoroughly with clean water and dry with chamois leather or a moist sponge. A subsequent anti-static treatment is recommended.
- Suitable cleaning solvents for sheets at room temperature are water, white spirit, hexane, heptane, ethyl alcohol, butyl alcohol, isopropyl alcohol (also known as IPA or Isopropanol).
- Disinfection of the surface can be performed using > 60% isopropyl alcohol (IPA), ethanol, or any other antibacterial or antiviral cleaning agent suitable for PC, sprayed or applied on a soft cloth. If necessary, followed by a thorough wash with clean water and rinse as described above.
- Treatment with an anti-static agent keeps the sheet free from static charge and dust over prolonged periods. There are some commercially available products which act simultaneously as cleaning agent and anti-static agent, e.g. Burnus Kunststoff-Reiniger + Pfleger.

## SAPHIR®

Cleaning and disinfection instructions for SAPHIR®:  
Clear polycarbonate (PC) hard coated sheet extruded by Arla Plast, and parts therefrom.

- The protective coating of the SAPHIR® sheet makes it more tolerant towards chemical attacks. Most chemical can be used for cleaning or disinfection. Edges and holes should be protected if the cleaning agent/disinfectant is not compatible with polycarbonate. Then rinse thoroughly with clean water and dry with a chamois leather or a moist sponge. A subsequent anti-static treatment is recommended.
- Disinfection of the surface can be performed using > 60% isopropyl alcohol (IPA), ethanol, or any commercially available antibacterial or antiviral cleaning agent, sprayed or applied on a soft cloth. If necessary, followed by a thorough wash with clean water and rinse as described above.
- Treatment with an anti-static agent keeps the sheet free from static charge and dust over prolonged periods. There are some commercially available products which act simultaneously as cleaning agent and anti-static agent, e.g. Burnus Kunststoff-Reiniger + Pfleger.





[www.arlaplast-barriers.com](http://www.arlaplast-barriers.com)

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