

1. Packaging information

After completing final inspection stage, all the windows are protected both inner and outer surface with a removable plastic transparent film and a coupon, like the example on photo 2, is applied to confirm product compliance to related specification\drawing. Later than this, the window is enveloped inside a multi-ball film to additionally prevent damaging during transport.



Photo 1 – removable plastic transparent protective film



Photo 2 – inspection coupon



Photo 3 – multi-ball film envelop



Photo 4 – wooden box (non returnable)

At the end, the windows are put inside one wooden box, on vertical position, with outer surface facing front open side (ref photo 4). All the boxes are identified with a Packing List declaring all the data related to Customer PO, Code of product, S\N etc. and are equipped with a Tilt Watch device that is alerted in case the box fall down. **NB: in case the boxes are not in the correct position or are damaged, do not refuse the delivery but accept them with reservation and make a comment on the Delivery Document before unloading.**

2. Storage

At incoming material phase, the boxes must be:

- Stored in a dry area and protected against weather agents.
- Not exposed to temperature lower than 0°C and higher than 50°C
- Placed vertically on their original supports
- Not stacked
- Not piled

3. Handling information

To remove the windscreen from the box take care to:

- Remove the metal strips
- Remove the front open side
- Remove the multi-ball film envelop being careful to not damage the glass outer surface
- Remove the transparent protective film being careful to not damage the glass outer surface
- Approach the glass surface with the Suction Cups device and lift it out the box

In case of “stand by” once removed from the box, windscreens must be placed on in vertical position, using proper supports and handled in order to avoid impacts, scratches or damages on the ant spill surface (ref cleaning instructions paragraph). Avoid chemical contamination or damages due to the contact with gases or fluids.

4. Cleaning general prescriptions

5.1 Windows outer surface (glass material)

Windscreen outer surface is constituted by basic soda lime silicate glass, so standard de-mineralized water with neutral soap (ph \geq 5,5) is recommended for cleaning operations. In case of consistent residuals take care to dry appropriately the surface after cleaning and possibly increase the frequency of the cleaning operations.

4.1.1 Windows outer surface (supplementary information)

Windscreen outer surface is constituted by basic soda lime silicate glass. As supplementary information regarding cleaning activities\products, Isoclima can propose below dedicated prescriptions for glass surface:

- Avoid knocks, cuts and scratches during fitting.
- The protective film shall be removed only once the glass has been fitted.
- Avoid trimming of the black polyurethane band around the window edge.
- Never rub surfaces with dirty or dry rags.
- Do not remove dirt with sharp instruments.
- Clean with a soft, clean and dry cloth or paper, soaked in isopropyl alcohol or isopropanol.
- Spray Glass Kleen (KENT) cleaner and rub with soft, clean and dry cloth or paper.
- Avoid that isopropyl alcohol Isopropanol and Glass Kleen stagnate along the window edges.

The cleaning products\detergents recommended by Isoclima are the flowing:

- ISOPROPYL ALCOHOL or ISOPROPANOL (pure o diluted at 50% in weight with water)
- GLASS KLEEN (ditta KENT)



- RYMPLECLOTH GAUZE (from RICHMOND)
- THROWAWAY PAPER



5.2 Windows inner surface (plastic surface)

Windows inner surface is constituted by plastic soft antispallshield for which the below prescriptions are recommended for cleaning\mainteance operations.

Remove the protective film fromt the plastic surface only after the plate glass has been installed and all the work that has to be performed in the vicinity has been completed.

WHAT NOT TO DO:

- Do not exert localized pressure on the Plastic Surface.
- Do not place any object on the Plastic Surface.
- Do not lay, lean or support the panel on the Plastic Surface.
- Do not use metal blades, sharp or pointed spatulas, or anything else that can damage the Plastic Surface.
- Do not apply stickers, adhesives or transfers on the Plastic Surface.
- Do not expose the Plastic Surface to solvents.
- Do not use adhesives sealants on the Plastic Surface, unless of the agreed type.
- The gasket and everything that comes in contact with the Plastic Surface must be chemically compatible with it.
- Do not place organic materials containing plasticizers or solvents, such as flexible PVC, protective lacquers with a solvent base, etc., in contact with the Plastic Surface.
- Do not clean the Plastic Surface with your hand, even if you are wearing gloves.
- Do not clean the Plastic Surface with dirty cloths, with steel wool or abrasives.
- Do not polish the Plastic Surface with polishing paste for car bodywork.
- Avoid the accumulation of liquids or solvents along the framed edge of the plate glass (in contact with the Plastic Surface).
- Avoid the formation of stagnant condensate along the framed edge of the plate glass (in contact with the Plastic Surface).

INSTRUCTIONS FOR CLEANING:

- Remove any particles (sand, metal filings, etc.) by blowing them away with clean filtered air.
- Wash with soft clean cloths, using cold or lukewarm water.
- Change the cleaning cloths frequently.
- Dry with care, using clean, soft, dry cloths.
- To remove stubborn stains, clean with care using a soft cloth impregnated with pur Isopropyl Alcohol (IPA).

Same type of information are contained inside an adhesive label that is applied to each windscreen inner surface. (ref photo 5)

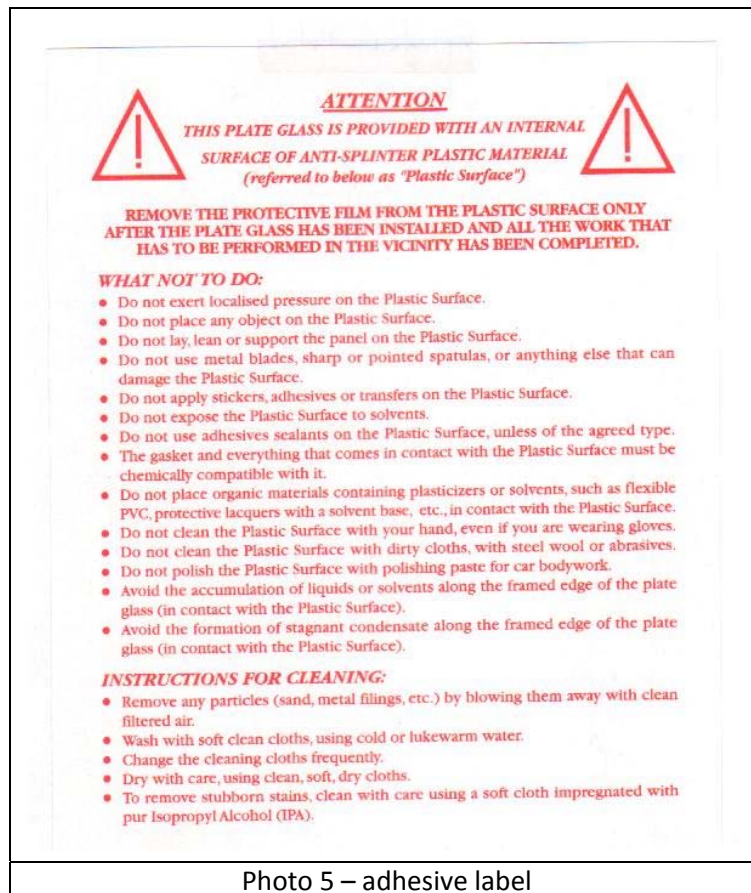


Photo 5 – adhesive label

5. Maintenance

No maintenance operations are envisaged for the windscreen with exception of standard routine functionality controls as part of the operative Locomotive manual.