



Flat Glass

1. General

- 1.1 This document is addressed to all collectors/transporters and disposers of glass, hereinafter referred to as **"suppliers"**, who supply glass to Maltha Groep B.V., hereinafter referred to as **"Maltha"**. This describes the conditions that **Flat glass** must meet in order to be accepted by Maltha.
- 1.2 Maltha assesses the incoming flat glass for contamination and type. The degree of contamination should be as small as possible and different types of flat glass should be mixed as little as possible. Maltha will determine whether glass is accepted on the basis of the acceptance procedure.
- 1.3 Under the term **contamination** falls all material that is not recyclable flat glass, including:
 - Ceramic, stone and porcelain (CSP) from e.g. gravel, bricks and tiles.
 - Paper/wood, including newspapers, booklets, cardboard, frames and construction waste.
 - Bitumen-like materials, including sealant and pitch.
 - Plastic from e.g. window sills, strips and beakers.
 - Metals, both ferrous and non-ferrous, from e.g. window sills, frames, mouldings and metal strips.
 - Heat-resistant glass, including heat-resistant laboratory glass, baking dishes, cooktops and stove windows.
 - Pressure vessels such as nitrous oxide cylinders.
 - Bottle glass and lamp glass, such as container glass (packaging glass), lamp glass and fluorescent tubes.
 - Residual waste, such as house and garden waste, silicone beads and adhesive.
 - Other contaminants, such as sand, earth, mud and street sweepings.

These substances do not belong in glass intended for recycling² and must be handed in to the environmental park/collector as industrial waste and may not be placed in or with the glass.

Loads that are assessed by Maltha as contaminated are put in the "reject" category. Loads that are no longer recyclable, or from which no more glass can be made, must be taken back immediately. In some cases, rejected glass can be accepted as being 'contamination'. However, other rates will apply for this than for glass waste.

If there is too much moisture in a load, Maltha reserves the right to reweigh a load. The excess of moisture will be deducted from the weight.

1.4 Heat resistance Glass

Only 1 piece of HR glass may be found per 10 tons of glass. In practice, this means that there may be a maximum of 1 piece in 1 container and a maximum of 3 pieces in 1 trailer. If this is exceeded, a resolute rejection follows.

1.5 Complete overview list Category / Description

CATEGORY	DESCRIPTION
Blank float	<ul style="list-style-type: none"> • Clean blank flat glass (industrial)
Mixed Flat glass	<ul style="list-style-type: none"> • Clean flat glass • Miscellaneous colours

¹ The following companies belong to the Maltha Groep BV: Maltha Glasrecycling Nederland BV, Maltha Glasrecycling International BV, Glasrecycling Noordost-Nederland BV and Maltha Glasrecyclage Belgie BVBA.

² Unless expressly stated in these conditions of acceptance or other agreement with Maltha.





1.6 Complete overview list Category / Description

CATEGORY	DESCRIPTION
Greenhouse Glass	<ul style="list-style-type: none"> Flat glass coming from greenhouses and conservatories
Mirror Glass	<ul style="list-style-type: none"> Flat glass coming from mirrors
Insulating Glass	<ul style="list-style-type: none"> Double-glazed windows "contaminated" with spacers
Car Window Glass	<ul style="list-style-type: none"> Laminated Unlaminated
Wire-reinforced and/or laminated glass	<ul style="list-style-type: none"> Laminated flat glass Flat glass containing interwoven metal wires Various colours
Combination glass	<ul style="list-style-type: none"> Mix of various types of flat glass
Armoured glass	<ul style="list-style-type: none"> Thick, extra-protected glass
Contaminated flat glass	<ul style="list-style-type: none"> Seriously contaminated with contaminations named under 1.3
Table glass	<ul style="list-style-type: none"> Wine glasses Drinking glasses Glass dishes
Perfume bottles	<ul style="list-style-type: none"> Glass perfume bottles

2. Types of Flat Glass

Blank Float : Clean Blank flat Glass	
Allowed	Not Allowed
<ul style="list-style-type: none"> Clean blank flat glass (industrial) Blank flat glass with transparent soft coatings³ 	<ul style="list-style-type: none"> Substances described under 1.3 Mixed or coated flat glass Mirror glass Armored glass: laminated or solid glass thicker than 3 cm Wire-reinforced glass Laminated glass Insulating glass and laminated insulating glass Sealant, putty and other fastening materials

Mixed Flat Glass : Clean colored flat glass	
Allowed	Not Allowed
<ul style="list-style-type: none"> Clean blank flat glass (industrial) Blank flat glass with transparent soft coatings³ 	<ul style="list-style-type: none"> Substances described under 1.3 Mirror glass Armored glass: laminated or solid glass thicker than 3 cm Wire-reinforced glass Laminated glass Insulating glass and laminated insulating glass Sealant, putty and other fastening materials

³ Coatings can cause problems for the re-use of the glass cullet. This obliges Maltha to study each coating for its recyclability.





Greenhouse Glass: Flat glass coming from greenhouses or conservatories

Allowed	Not Allowed
<ul style="list-style-type: none"> Clean blank flat glass (industrial) 	<ul style="list-style-type: none"> Substances described under 1.3 Wire-reinforced glass Laminated glass Mirror glass Insulating glass and laminated insulating glass Armored glass: laminated or solid glass thicker than 3 cm Sealant, putty and other fastening materials

Mirror Glass: Flat Glass coming from mirrors

Allowed	Not Allowed
<ul style="list-style-type: none"> Mirrors Blank / mixed glass (Colored flat glass) 	<ul style="list-style-type: none"> Substances described under 1.3 Wire-reinforced glass Laminated glass Insulating glass and laminated insulating glass Armored glass: laminated or solid glass thicker than 3 cm Sealant, putty and other fastening materials

Insulating glass: Double glazing

Allowed	Not Allowed
<ul style="list-style-type: none"> Insulating glass Spacer of the double-glazing Mixed flat glass (colored flat glass) Soft coatings³ 	<ul style="list-style-type: none"> Substances described under 1.3 Mirror glass Wire-reinforced glass Laminated glass Insulating glass and laminated insulating glass Armored glass: laminated or solid glass thicker than 3 cm

Car window glass: Maltha distinguishes between laminated and unlaminated car windows. The two types have different compensations. Laminated car windows are described under laminated glass

Allowed	Not Allowed
<ul style="list-style-type: none"> Laminated car windows Non laminated car windows 	<ul style="list-style-type: none"> Substances described under 1.3 Frames and/or blocks Mirror glass Armored glass: laminated or solid glass thicker than 3 cm Wire-reinforced glass Laminated glass

³ Coatings can cause problems for the re-use of the glass cullet. This obliges Maltha to study each coating for its rerecyclability.





Laminated glass: Laminated glass consists of at least 2 layers of glass and 1 layer of PVB foil in between.

Allowed	Not Allowed
<ul style="list-style-type: none"> Blank and clean industrial laminated glass Blank laminated flat glass with transparent soft coatings³ Max. thickness 30mm 	<ul style="list-style-type: none"> Substances described under 1.3 Mirror glass Colored glass Sealant, putty and other fastening materials Armored glass: laminated or solid glass thicker than 3 cm

Wire-reinforced

On request only.

Combination Glass: Mix of various types of flat glass

Allowed	Not Allowed
<ul style="list-style-type: none"> Laminated glass Mixed flat glass (Laminated) insulating glass Spacer of the double-glazing Soft Coatings Max. thickness 30mm 	<ul style="list-style-type: none"> Substances described under 1.3 Wire-reinforced and/or laminated glass Mirror

Armor glass

On request due to the influence of material thickness (maximum 30 mm).

Table glass: Clean colored packaging glass from the industry.

Allowed	Not Allowed
<ul style="list-style-type: none"> Various colours of (pure) hollow glass Soft Coatings³ 	<ul style="list-style-type: none"> Substances described under 1.3 Mirror glass Wire-reinforced glass Laminated glass Insulating glass Sealant, putty and other fastening materials Food and liquids

Perfume bottle glass: Clean colored packaging glass from the industry.

Allowed	Not Allowed
<ul style="list-style-type: none"> Various colours of (clean) packaging glass Soft Coatings³ 	<ul style="list-style-type: none"> Substances described under 1.3 All types of glass mentioned above Sealant, putty and other fastening materials Liquids (perfume)

³ Coatings can cause problems for the re-use of the glass cullet. This obliges Maltha to study each coating for its rerecyclability.

