

HI·MACS

The shape of your ideas

**HIMACS STORAGE, HEALTH AND SAFETY
RECOMMENDATIONS & PACKAGING INFORMATION**

INFORMATION NOTICE

Solid Surface Material

1. General Recommendations

Health & Safety Recommendations – Eu Council Directive 89/391/Eec

LX Hausys reminds employers and employees that health and safety are essential for workplace success.

The European Council has defined basic requirements to follow, and it is the employer's responsibility to adapt and adjust their working facilities to comply with these requirements, as well as any additional local regulations.

The directive applies to all sectors of public and private activity, including industrial, agricultural, commercial, administrative, service, educational, cultural, leisure, and others.

It stipulates that employers must:

- Ensure the health and safety of their workforce, this includes assessing and avoiding risks, developing an overall safety policy, and providing appropriate staff training.
- Appoint a person responsible for risk prevention in the workplace.
- Take necessary precautionary measures for first aid, fire safety, and evacuation.
- Assess specific risks that certain workers might face and implement the necessary protective measures.
- Provide employees and/or their representatives with all relevant information on potential health and safety risks and the measures taken to prevent them.
- Consult employees and/or their representatives and involve them in discussions on workplace health and safety.
- Ensure each employee receives adequate health and safety training relevant to their job.

Other key points:

- Each employee is responsible, as far as possible, for protecting their own health and safety as well as that of their colleagues.
- Special protection must be provided to employees who may be particularly sensitive to risks and hazards in the workplace.

2. HIMACS Sheets – Workshop Use

General recommendations

HIMACS sheets should be handled with care:

- Wear the appropriate safety equipment before handling HIMACS sheets.
- Keep the working environment clean and ensure there is sufficient workspace.
- Use suitable handling equipment, make sure lifting arms are adapted for moving HIMACS sheets or pallets.
- Move HIMACS sheets slowly and steadily in the warehouse or workshop.
- Unload and move pallets individually due to the heavy weight of HIMACS sheets.

Storage & Handling

- DO NOT store HIMACS sheets outside.
- Always store sheets flat on sturdy pallets, with a cover board placed on the pallet before stacking.
- Keep sheets in a dry, well-ventilated area.
- Ensure sheets are stored with sufficient support to prevent warping — use appropriate shelving.
- Never carry a HIMACS sheet alone. Each sheet must be lifted by two people, one at each end.
- Always lift sheets in a vertical position.

Important points to respect

- Place HIMACS pallets/sheets on levelled shelf arms to prevent warping, waving, or bending.
- Stacking pallets on top of each other should be done only for a short period (maximum 72 hours).
- When placing a pallet in its final storage position in the warehouse, remove the transportation steel band and plastic film to prevent moisture issues.
- When storing individual sheets on shelves, always protect the surface from dust, scratches, or impacts.
- Do not remove the protective film during storage.
- Always handle HIMACS sheets with two people.
- Automatic vacuum handling systems are recommended for safe and efficient lifting.

3. HIMACS Adhesives

HIMACS Adhesives are chemical products stored in safe containers. Local regulations for chemical storage must be followed at all times.

The distributor or fabricator is responsible for ensuring proper storage conditions.

HIMACS Adhesives are identified with the following pictograms:



- **DO NOT store HIMACS adhesives outside.**
- Use **local and general ventilation** in storage and work areas.
- Keep away from **sources of ignition; no smoking** is allowed.
- Store in **dry and well-ventilated areas.**
- **Wash hands** thoroughly after use.
- Never keep **food or drink** near chemicals.
- Never place chemicals in containers normally used for food or drink.
- Keep away from **food, drink, and animal feed.**
- Store at **temperatures below 30°C.**
- **Water mist** may be used to cool closed containers if necessary.
- Keep away from **incompatible products**, such as polymerization accelerators and easily oxidized materials.
- Keep away from **acids, amines, and driers**, as chemical reactions could be violent.

All detailed information regarding HIMACS adhesives can be found in the **Material Safety Data Sheet (MSDS)**.

4. HIMACS Shapes

HIMACS shapes should be handle with care.

- **DO NOT store HIMACS shapes outside.**
- Keep shapes in their **original packaging** when storing.
- For **full pallet storage**, always respect the original packaging.
- Do not allow any package to **drop, be hidden by a forklift, or bump against corners, barriers, walls, or other warehouse/workshop items.**
- Store shapes in a **dry and well-ventilated room.**
- Do **not stack multiple pallets** on top of each other.
- Store materials **properly leveled and horizontally.**
- Ensure the **shelf system is strong enough** to safely support the weight of the shapes.
- Keep stored items **clean and protected.**

5. Transportation

- **Avoid transporting fabricated HIMACS items in open vehicles**, this can cause extreme thermal movement depending on the materials used and can be significantly affected by changes in atmospheric conditions.
- **Protect all cutouts** on fabricated items to prevent breakage during loading, unloading, and transportation.
- **Transport fabricated elements on their edge** and store them on a special **A-angled support rack** with protective shields.
- Ensure **pallets and boxes are secured** to prevent movement during transportation.
- Do not stack **more than 5 pallets** on top of each other (sheets only, always check weight limits).
- **Protect fabricated items** with bubble wrap, wooden surroundings, or fully enclosed boxes.
- **Reinforce edges and corners** with pasteboard or other protective packaging to prevent impact damage.
- Ensure pallets loaded onto a truck are placed **level and fully supported at all times.**

4. Packaging Information

The following tables provide detailed information on the initial packaging of products from the factory to the sales market, organized by product thickness and available format. Please review and consider this information before and during the delivery process to ensure the correct procedures are followed for unloading, storage, and transportation.

HIMACS 4.5mm

SHEET SIZE (mm)	WEIGHT PER SHEET	SHEET PER PALLET	PALLET WEIGHT (kg)	TOTAL PACKAGE WEIGHT (kg)
4,5 X 930 X 3,000	15	40	64	676

LOADING SIZE (including pallet)

PACKAGE SIZE	HEIGHT (mm)	WIDTH (mm)	LENGTH (mm)
PALLET SIZE	145	950	3,040
LOADING SIZE	325	950	3,040

CONTAINER CAPACITY

CONTAINER	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT (kg)
20 FEET	480	12	8,112
40 FEET	960	24	16,224

Sheet Information Per Format

SHEET SIZE (MM)	WEIGHT PER SHEET (KG)	# OF SHEETS PER PALLET	PALLET WEIGHT (KG)	TOTAL PACKAGE WEIGHT (KG)
4.5 x 930 x 3,000	15	40	64	676
6 x 760 x 2,490	19	40	37	809
6 x 910 x 2,490	23	30	56	749
6 x 1,350 x 3,680	51	20	105	1,118
9 x 760 x 3,680	43	20	55	911
9 x 910 x 3,680	51	20	73	1,098
9 x 1,350 x 3,680	76	15	105	1,245

Sheet Size Per Format

SHEET SIZE (MM)	WEIGHT PER SHEET (KG)	# OF SHEETS PER PALLET	PALLET WEIGHT (KG)	TOTAL PACKAGE WEIGHT (KG)
12 x 760 x 3,680	58	15	55	925
12 x 910 x 3,680	69	15	73	1,115
12 x 930 x 3,680	71	15	75	1,140
12 x 1,350 x 3,000	84	15	86	1,346
12 x 1,350 x 3,680	103	12	105	1,341
12 x 1,520 x 3,680	116	12	114	1,506
20 x 760 x 3,680	76	10	54	809

Loading Size Including Pallet - HIMACS 4,5 mm

SHEET SIZE (MM)	PALLET SIZE IN MM (H X W X L)			LOADING SIZE IN MM (INCLUDING PALLET) (H X W X L)		
	H	W	L	H	W	L
4.5 x 930 x 3,000	145	950	3,040	325	950	3,040

Loading Size Including Pallet - HIMACS 6 mm

SHEET SIZE (MM)	PALLET SIZE IN MM (H X W X L)			LOADING SIZE IN MM INCLUDING PALLET (H X W X L)		
	H	W	L	H	W	L
6 x 760 x 2,490	145	760	2,520	385	760	2,520
6 x 910 x 2,490	145	930	2,520	325	930	2,520
6 x 1,350 x 3,680	145	1,370	3,720	265	1,370	3,720

Loading Size Including Pallet - HIMACS 9 mm

SHEET SIZE (MM)	PALLET SIZE IN MM (H X W X L)			LOADING SIZE IN MM INCLUDING PALLET (H X W X L)		
	H	W	L	H	W	L
9 x 760 x 3,680	145	760	3,720	325	760	3,720
9 x 910 x 3,680	145	930	3,720	325	930	3,720
9 x 1,350 x 3,680	145	1,370	3,720	280	1,370	3,720

Loading Size Including Pallet - HIMACS 12 mm

SHEET SIZE (MM)	PALLET SIZE IN MM (H X W X L)			LOADING SIZE IN MM INCLUDING PALLET (H X W X L)		
12 x 760 x 3,680	145	760	3,720	325	760	3,720
12 x 910 x 3,680	145	930	3,720	325	930	3,720
12 x 930 x 3,680	145	950	3,720	325	950	3,720
12 x 1,350 x 3,680	145	1,370	3,720	289	1,370	3,720
12 x 1,520 x 3,680	145	1,540	3,720	289	1,540	3,720

Loading Size Including Pallet - HIMACS 20 mm

SHEET SIZE (MM)	PALLET SIZE IN MM (H X W X L)			LOADING SIZE IN MM INCLUDING PALLET (H X W X L)		
20 x 760 x 3,680	145	760	3,040	345	760	3,040

Container Capacity - HIMACS 4,5 mm

SHEET SIZE (MM)	20 FT CONTAINER			40 FT CONTAINER		
	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT
4.5 x 930 x 3,000	480	12	8,112	960	24	16,224

Container Capacity - HIMACS 6 mm

SHEET SIZE (MM)	20 FT CONTAINER			40 FT CONTAINER		
	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT
6 x 760 x 2,490	800	20	16,180	1 080	27	21,843
6 x 910 x 2,490	600	20	14,986	870	29	21,729
6 x 1,350 x 3,680	120	6	6,710	400	20	22,367

Container Capacity - HIMACS 9 mm

SHEET SIZE (MM)	20FT CONTAINER			40FT CONTAINER		
	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT
9 x 760 x 3,680	240	12	10,932	480	24	21,864
9 x 910 x 3,680	240	12	13,173	400	20	21,955
9 x 1,350 x 3,680	90	6	7,471	270	18	22,413

Container Capacity - HIMACS 12 mm

SHEET SIZE (MM)	20 FT CONTAINER			40 FT CONTAINER		
	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT
12 x 760 x 3,680	180	12	11,100	360	24	22,200
12 x 910 x 3,680	180	12	13,377	300	20	22,294
12 x 930 x 3,680	180	12	13,675	300	20	22,792
12 x 1,350 x 3,680	72	6	8,048	204	17	22,802
12 x 1,520 x 3,680	72	6	9,036	180	15	22,590

Container Capacity - HIMACS 20 mm

SHEET SIZE (MM)	20 FT CONTAINER			40 FT CONTAINER		
	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT	# OF SHEETS	# OF PALLETS	TOTAL WEIGHT
20 x 760 x 3,680	120	12	9,708	260	26	21,034

This guideline has been created to provide technical information for successful fabrication and installation of HIMACS, and it is intended to be used in a safe environment considering their own discretion and risk by who has technical skill for fabrication and installation of HIMACS.

This guideline is continually revised to provide reliable and up-to-date information, replacing all previous versions of the guideline and technical information, however the usage and conditions of use are beyond LX Hausys control, LX Hausys cannot guarantee the suitability of material, fabrication and installation for all usage and conditions of use. Users should not regard or rely on this guideline as a complete, sole, up-to-date or absolute information. HIMACS users, fabricator and installer should review whether the design for HIMACS, fabrication method, installation method and required performance are suitable for the intended use and conditions of use. LX Hausys shall not be liable for any direct or indirect, commercial damages or losses caused by the fabrication and installation results of HIMACS using any or all these guidelines. In addition, the results of joining with other materials, and the fabrication and installation guidelines for other materials shall not be covered by LX Hausys.

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