



IMGRAD CR d.o.o.

TOTAL DESIGN AND PRODUCTION OF
CLEAN ROOMS



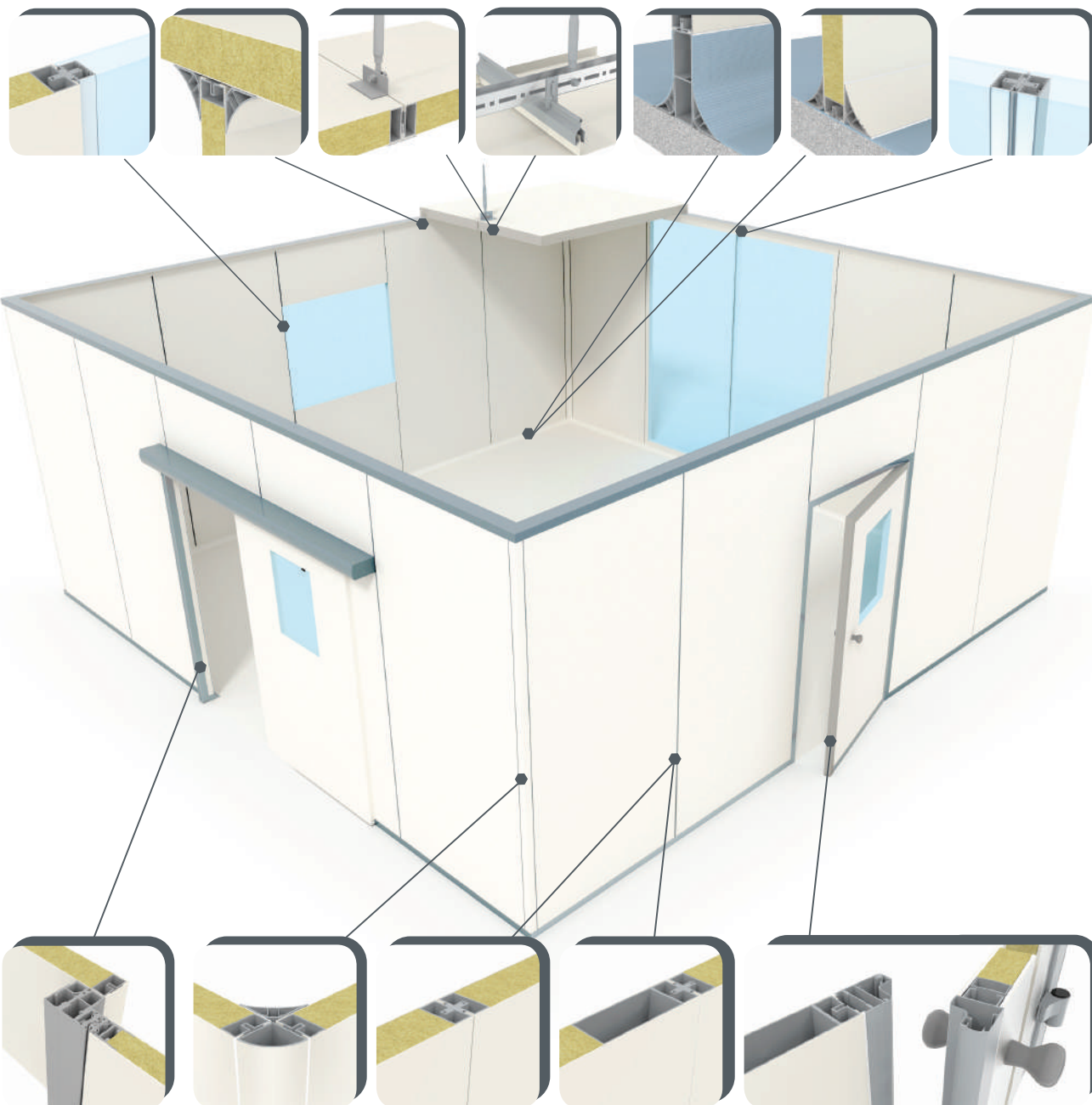
IMGRAD CR d.o.o.

ABOUT US?























IMGRAD is a company that has been present on the market as a manufacturer and supplier of clean room equipment for more than 30 years. We are experts in the area of clean room counselling, design, education and development with our own clean room accessories production and installation service. With our modular clean room wall system, ceiling system, airtight door, glazing panel, pass-through box, illumination system and perfected clean room accessories, we are able to design and install a clean production wherever clean room standards (from ISO 9 to ISO 1) need to be met. Modular clean room accessories system is validated and in compliance with GMP and FDA recommendations and meets ISO 14644-4 and ISO 13485 standards. Furthermore, clean room accessories are produced to comply with ISO 14001 environment protection standard and are fully recyclable at the end of their lifecycle.



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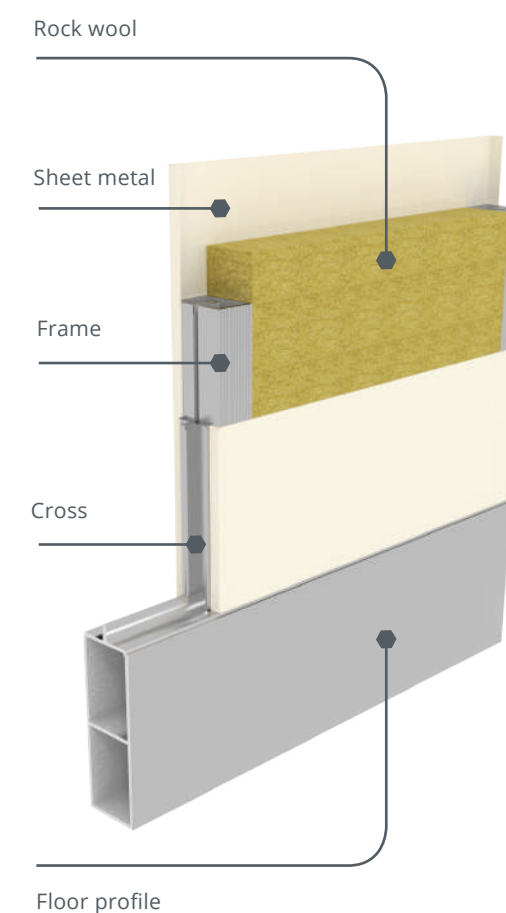


LEGEND

	Standard thickness	AI	Panel made of aluminium sheet metal		Other RAL colours on demand	RW	Rock wool filling
	PVC coating thickness > 115 mic; powder coating thickness from 15 mic to 50 mic	AISI 304	Panel made of 304/315 stainless sheet metal		Standard dimensions / or maximum dimensions / piece: 900 x 1200		Other required dimensions
	Sheet metal thickness	AISI 316	Panel made of 316 stainless sheet metal		Standardne dimenzije / ali maksimalne dimenzije / kom: 1200 x 1200		Walk-on ceiling
	Sheet metal thickness		Panel made of glass		Standard dimensions / or maximum dimensions / piece: 1200 x 3000		Non walk-on ceiling
	Glass thickness		PPVC coating		Standard dimensions / or maximum dimensions / piece: 900 x 3500		Tempered glass
	Inox steel thickness (AISI 304 and AISI 316)		PET coating		Antibacterial sheet metal		Laminated glass
Fe	Panel made of galvanized sheet metal		Powder coating		Removable protection foil	RAL 9002	Standard colour RAL 9002

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MODULAR CLEAN ROOM WALLS AND COVERINGS



Dimension



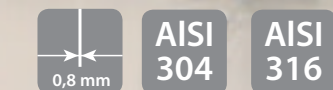
Sheet metal



Sheet metal



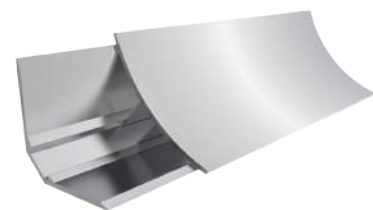
Sheet metal



IMGRAD CR 45 clean room »walls and coverings« system is designed in a modular way with 45 mm thickness. Prefabricated clean walls and panel linings are designed to be easily dismantled and moved to a new or back to the old location.



● Floor U-profile

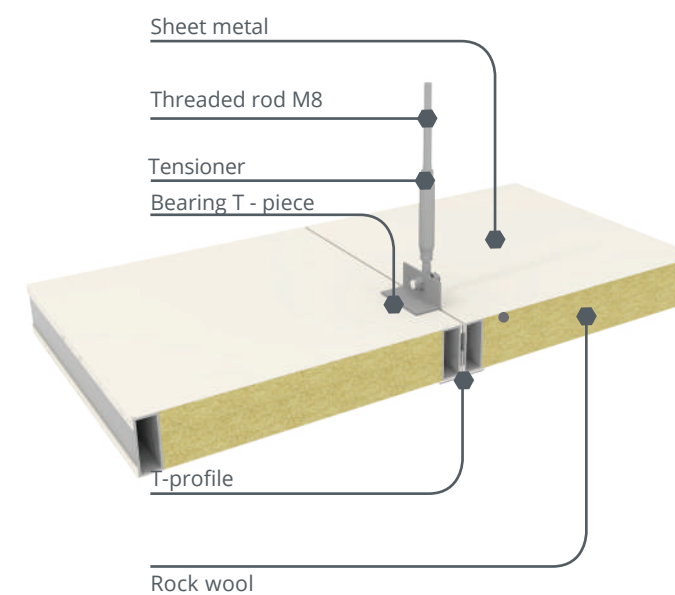
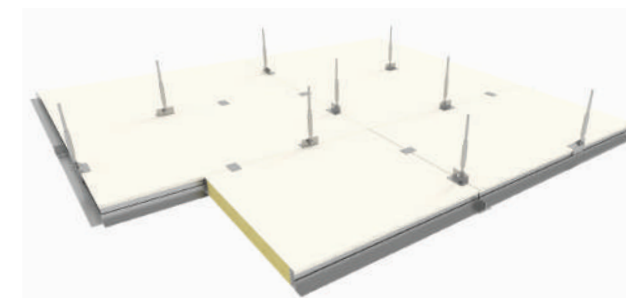


● ALU cove-shaped profile



● Floor profile

All corner contact points between the panels are joined together by ALU cove-shaped profiles. On floors and corners, such contact points enable more precise and easier cleaning of the surfaces.



Dimension



Sheet metal

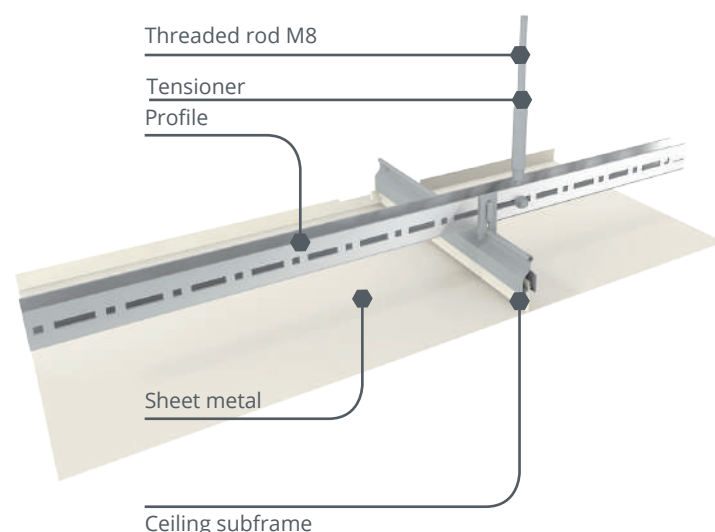
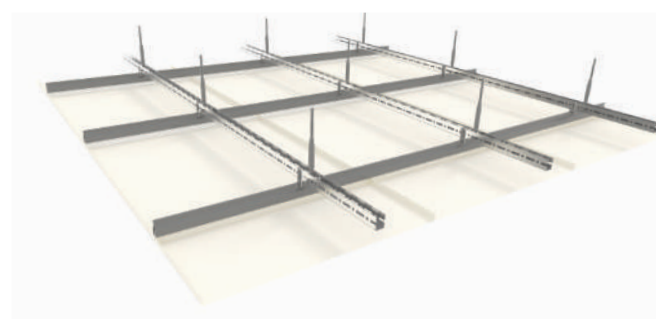


Walk-on ceiling thickness 52 mm

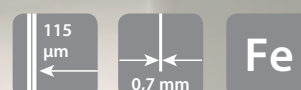
IMGRAD CR walk-on clean ceiling panel system is designed in a modular way with 52 mm thickness. Modular clean ceiling IMGRAD CR is made of diverse flat materials: aluminium sheet metal, galvanized sheet metal, bactericidal sheet, inox sheet metal.



MODULAR NON WALK-ON CLEAN CEILING



Dimension



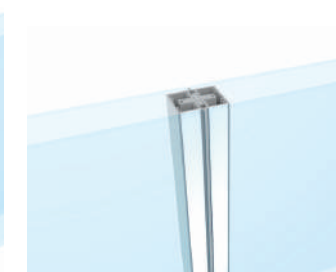
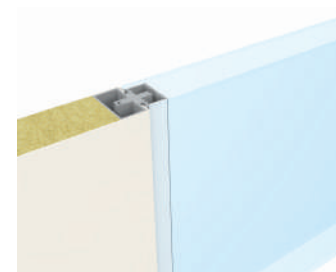
Sheet metal



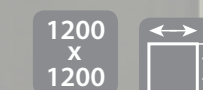
Characteristics



GLAZING PANELS



Dimension

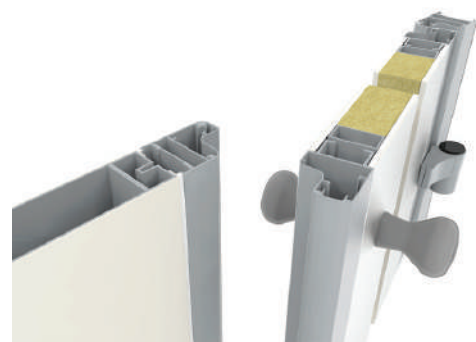


Non walk-on ceiling is composed of aluminium, galvanized or inox panels. Non walk-on ceiling system is a very flexible solution as it allows for dismantling of each panel separately in a very short time period.

The modular **IMGRAD CR 45** double glazed panel is systematically compatible with the wall panels. The glazed panel is 45mm thick and can be disassembled. The panel frame is made of aluminium airtight profile with absorbent

AIRTIGHT CLEAN DOOR

SLIDING DOOR



Single-leaf door

TRIM * FRAME		DAYLIGHT SIZE		LEAF		POVRŠNICA		SWEEP		GLASS	
height	width	height	width	width	width	width	width	width	width	width x height	width x height
2260	720	2203	606	640	544	630	544	630	544	300 x 700 mm	300 x 700 mm
2260	820	2203	706	740	644	730	644	730	644	500 x 700 mm	500 x 700 mm
2260	920	2203	806	840	744	830	744	830	744	500 x 700 mm	500 x 700 mm
2260	1020	2203	906	940	844	930	844	930	844	500 x 700 mm	500 x 700 mm
2260	1120	2203	1006	1040	944	1030	944	1030	944	500 x 700 mm	500 x 700 mm
2260	1196	2203	1082	1116	1020	1106	1020	1106	1020	500 x 700 mm	500 x 700 mm

Double-leaf door (same size leaves)

TRIM * FRAME		DAYLIGHT SIZE		LEAF		SWEEP		POVRŠNICA		STEGLASS	
height	width	height	width	width	active	passive	active	passive	active	passive	width x height
2260	1364	2203	1250	640	630	584	544	544	544	544	300 x 700 mm
2260	1564	2203	1450	740	730	684	644	644	644	644	500 x 700 mm
2260	1764	2203	1650	840	830	784	744	744	744	744	500 x 700 mm
2260	1964	2203	1850	940	930	884	844	844	844	844	500 x 700 mm
2260	2164	2203	2050	1040	1030	984	944	944	944	944	500 x 700 mm

Double-leaf door (different size leaves)

TRIM * FRAME		DAYLIGHT		LEAF		SWEEP		POVRŠNICA		GLASS	
height	width	height	width	active	passive	active	passive	active	passive	width x height	width x height
2260	1264	2203	1150	740	440	730	384	644	344	500 x 700 mm	500 x 700 mm
2260	1364	2203	1250	840	440	830	384	744	344	500 x 700 mm	500 x 700 mm
2260	1464	2203	1350	940	440	930	384	844	344	500 x 700 mm	500 x 700 mm
2260	1564	2203	1450	1040	440	1030	384	944	344	500 x 700 mm	500 x 700 mm
2260	1764	2203	1650	1040	640	1030	584	944	544	500 x 700 mm	500 x 700 mm
2260	1864	2203	1750	1040	740	1030	684	944	644	500 x 700 mm	500 x 700 mm
2260	1964	2203	1850	1040	840	1030	784	944	744	500 x 700 mm	500 x 700 mm
2260	2064	2203	1950	1040	940	1030	884	944	844	500 x 700 mm	500 x 700 mm

Dimension



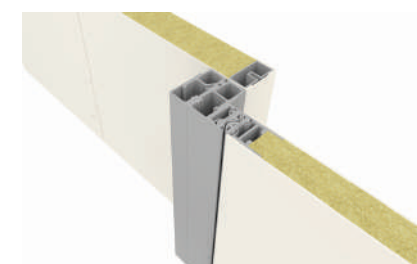
500 x 700 ► Window dimensions

Single-leaf
(w: 720 - 1196mm ; h: 2260mm)

Double-leaf
(w: 1364 - 2164mm ; h: 2260mm)



IMGRAD CR airtight clean room door are made of anodized profiles. The door edges are smooth and rounded. The door thickness is 45mm. The basic construction is made of aluminium profiles and rock wool is used as a filling material.



Dimension



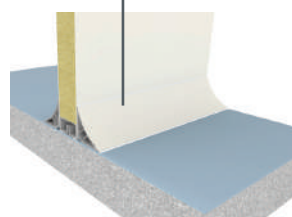
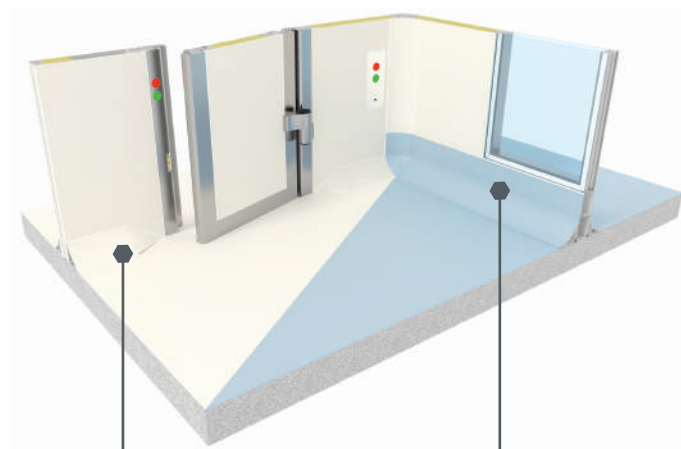
IMGRAD CR sliding door are made of anodized profiles. The door edges are smooth and rounded. The door thickness is 45mm. The basic construction is made of aluminium profiles and rock wool is used as a filling material. The joints are sealed with a durable high quality one-component polyurethane elastomeric sealant.



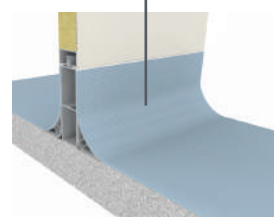
CLEAN ROOM FLOOR



ACTIVE OR PASSIVE PASS-THROUGH BOX (PASSBOX)



Epoxy floor execution using
a FLOOR U-PROFILE.

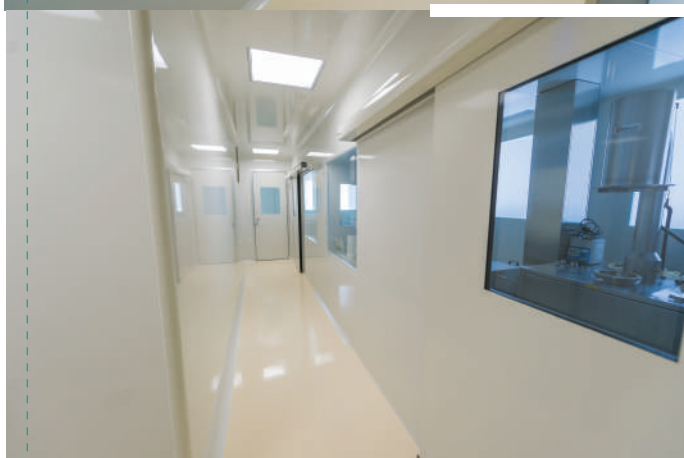


PVC floor execution using
a FLOOR PROFILE.



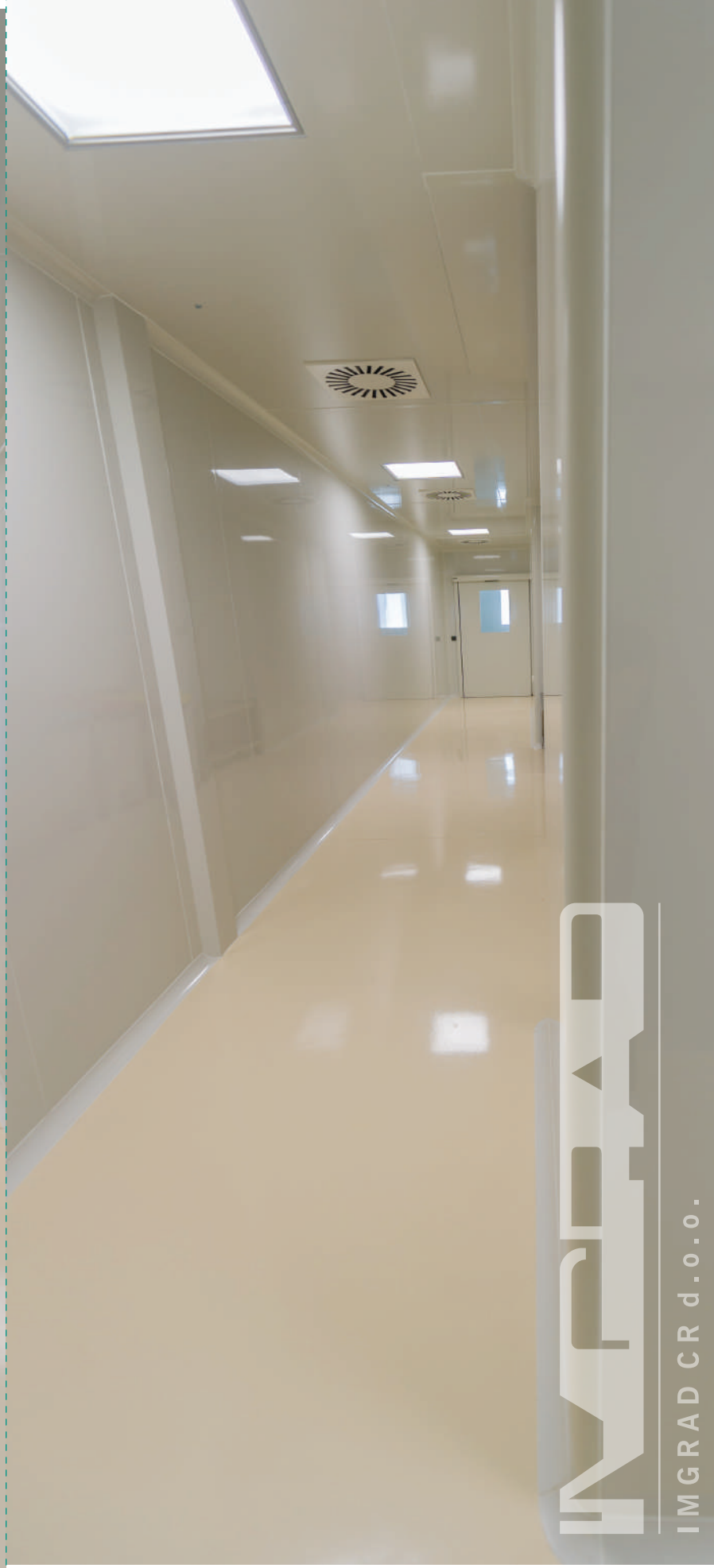
IMGRAD CR modular clean room system allows for PVC or epoxy flooring implementation. The door, corner and wall rounded profiles enable a rounded floor finishing and easy cleaning.

IMGRAD CR pass-through box system is made by the same principle as all the other panel finishing details. With regard to the purpose of its use, the inside can be made of stainless sheet metal with special lamps, perforated shelves and ventilation. As a rule, material barriers are assembled at the facility, however, upon request, they are entirely manufactured in IMGRAD production.



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Our distinction

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Relationship with clients

Through our services, clean room accessories manufacturing and our professional expertise, we aim to build a trust-based relationship with our clients. By understanding the clients' needs and requests, we can adapt to their requirements and help them improve their business performance.

Punctuality

Manufacturing process and installation services are both executed according to a previously determined time schedule. We are aware of the importance of punctuality and timing in the process of preparing and handing over the IMGRAD CR clean rooms to our clients.

Quality

The quality of the IMGRAD clean room accessories is guaranteed by the following quality standards: ISO 9001, ISO 13458, and ISO 14001. Together with careful project planning, quality checks on raw material, production processes and installation services with the emphasis on environment protection, the quality standards are a guarantee that our clients will benefit from quality project implementation and uninterrupted functioning and use of the IMGRAD CR clean room systems.

Development

IMGRAD upgrades its own IMGRAD CR clean room systems by understanding the clients' needs and by adding new accessories, which make the use of clean rooms better and more functional for the clients.

By developing clean room accessories system, we contribute to: more friendly working conditions in production, employee training, better planning, easier and faster implementation at the facility. With a responsible approach throughout the whole process, from planning to project implementation, we help to reduce the negative impact on the environment.

Design and planning

Prior to project preparation it is important to agree with the client and consider the type of activity that requires a clean room. Also, the technology exercised inside the clean rooms, the type of products and staff included in the process should be determined. Based on the gathered information, only the room classification can be determined. All the room planning, including all the details, the lobby area, utility rooms, material barriers, air conditioning ducting and other unit ducting have to be agreed in cooperation with: a technologist, who determines the technological process; an architect, who will dimension and design the room; an engineer, who will determine the air conditioning system and clean units, and finally an electrician, who will place all the necessary light and heavy current electrical installations inside the area. In cooperation with other subcontractor partners and the client, taking into consideration the regulations and the client needs, we can offer a practical completion according to the plan and within the arranged project price range.

Servicing and development

Constant improvement and development of our IMGRAD CR clean room system enable us to offer a quick replacement or reassembly or relocation due to technological needs. The modular clean room system can be dismantled and reassembled. The IMGRAD CR walk-on ceiling system enables access and provides servicing outside the production area and during the operation. There is no need to call an electrician when dismantling and reassembling IMGRAD CR clean doors with the integrated IMGRAD CR interlock system thanks to the plug-and-play system.



REFERENCES

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- LEK POLJSKA
- LEK VETERINA
- FRESENIUS
- WEST PHARMACEUTICAL SERVICES
- KRKA
- JDC – AKMON GROSUPLJE
- PASO MARIFARM
- GORENJSKE LEKARNE
- BAXTER
- UNICOM TRADE BOTANICS
- SMB TECHNOLOGY
- ALKALOID
- REPLEK
- BOSNALIJEK
- AMSAL
- ANTIBIOTICA IAZI
- HEMOFARM
- IVANČIČ I SINOV
- GALENIKA
- ZORKA PHARMA HEMIJA HEMOMONT
- FITOFARM
- RASAN PHARMACEUTICAL
- UNIVERZITETNI KLINIČNI CENTER LJUBLJANA
- SPLOŠNA BOLNIŠNICA IZOLA
- SPLOŠNA BOLNIŠNICA TRBOVLJE
- SPLOŠNA BOLNIŠNICA JESENICE
- SPLOŠNA BOLNIŠNICA PTUJ
- ONKOLOŠKI INŠTITUT LJUBLJANA
- KEMIJSKI INŠTITUT LJUBLJANA
- UNIVERZA NA DUNAJU
- IMUNOLOŠKI INŠTITUT ZAGREB
- AGENCIJA ZA ZDRAVILA BEOGRAD
- HEMODIALIZA LEPOSAVIČ
- VETERINARSKI INŠTITUT BEOGRAD
- VETERINA ZAGREB
- CHEMPROSA HOLDING AG
- ROMUNSKI NACIONALNI INŠTITUT ZA RAZISKAVE IN IZBOLJŠAVE V MIKROTEHNOLOGIJI
- ŽIVILSKO PREDELOVALNA INDUSTRIJA
- DROGA KOLINSKA
- TIK KOBARID

Printing house:

- FORMIKA

Car industry:

- UNITECH
- LTH CASTINGS
- HIDRIA
- HIDRIA AET

Electrical industry:

- MAGNETI LJUBLJANA
- ISKRA SISTEMI
- TEHNIČNA FAKULTETA NOVI SAD
- SESNSUM

Cosmetic industry:

- FARMEC





IMGRAD CR d.o.o.

Kidričeva cesta 75, 4220 Škofja Loka, Slovenija

tel: 059 233 090

fax: 059 233 091

email: info@imgrad.com

web: www.imgrad.com