



The better life!



GHS PERMANENT HOME

Choose your
GHS Permanent Home!
Fast. Safe. Simple.



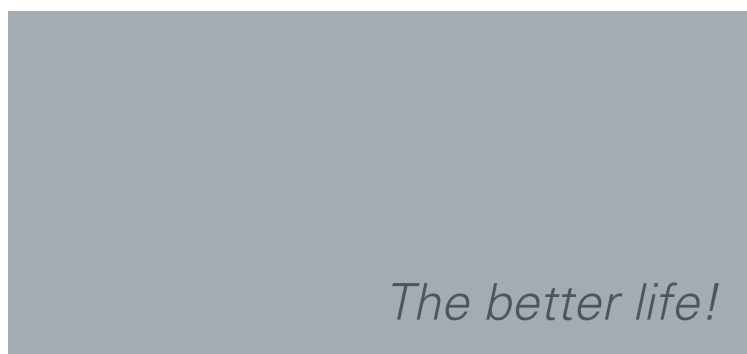


Table of content

05	►	Foreword
06	►	The Material You Can Build On
07	►	System Advantages
08	►	Four Steps to Build a GHS Permanent Home
12	►	GHS smart 30
14	►	GHS smart 40
16	►	GHS compact 50
18	►	GHS compact 70
20	►	GHS family 90
22	►	GHS family 110
24	►	GHS duplex 120
26	►	GHS luxury 300
28	►	GHS garage

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The better life!



For us, projects are intelligent and forward-looking if social tolerance combines with innovative technology and excellent returns.

—— **ALEXANDER KHINAST,**

MANAGING DIRECTOR

HARALD RATH,

MANAGING PARTNER

GHS provides people with a home. Fast. Safe. Simple.

FOREWORD

People worldwide need roof over their heads to feel safe. System improvements in social housing offer excellent prospects:

- Noticeable long-term improvement of living conditions for many
- Shift of overall perspective to a more optimistic view of their future
- Step-by-step improvement of global status quo with each unit

GHS Global Housing Solutions helps to make these prospects reality with its housing solutions GHS ClipPlus 80. May the thousands of people living in a GHS Permanent Home today serve as a great example of such transformation.

The GHS Permanent Home is a durable and sustainability-oriented housing solution.

The house system comprises a high-quality plastic shell filled with concrete. It is resistant, permits a quick construction and is known to have a long life span. Furthermore, the layouts can be individually adapted to specific local needs on site. The following collection of GHS Permanent Homes presented in this housing catalogue is designed to serve as an inspiration for your own GHS home.

Join us for a journey into the world of unconventional architecture, into the world of the GHS Permanent Home!

ALEXANDER KHINAST,

MANAGING DIRECTOR

HARALD RATH,

MANAGING PARTNER

GHS PERMANENT HOMES

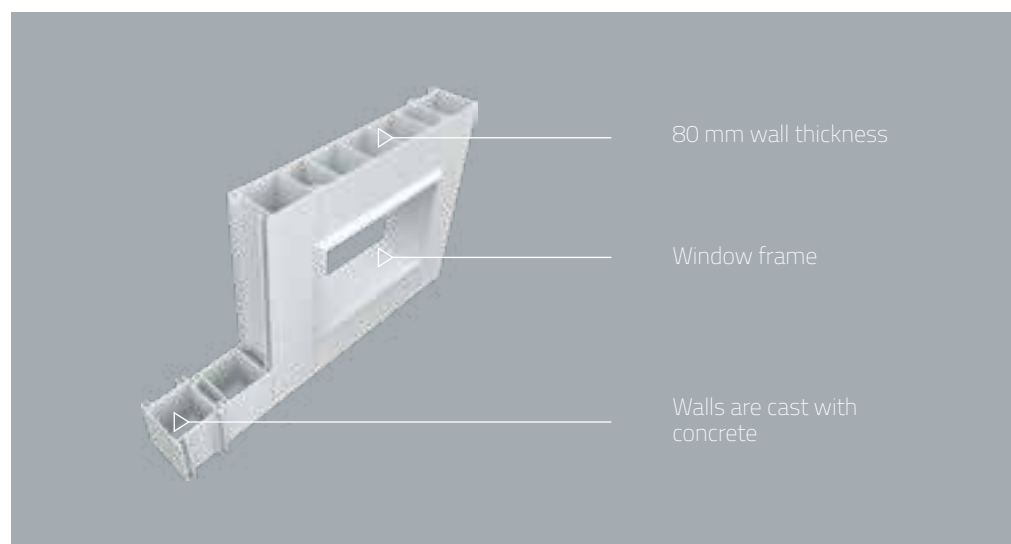


GHS Permanent Homes comprise a high-quality plastic shell filled with concrete. It is resistant, permits a quick construction and is known to have a long life span. At the same time, they fulfill all relevant security criteria. They are suitable for private use and have also proven to possess all desired properties to be used in public premise construction such as nurseries, schools, office buildings, hospitals and public sanitation facilities.



Material you can build on.

Hard PVC without softeners and a concrete filling is exclusively used for the GHS Permanent Home. Stabilizers guarantee the heat-stability of the PVC and protect the product against changes resulting from heat, UV light, as well as against salt water and salt air in coastal regions.



The advantages of the system

► FAST CONSTRUCTION AND INDIVIDUAL ADJUSTMENTS

GHS has developed one of the most innovative plastic-concrete wall systems on the market. Innovative press-in connections and a well-conceived modular system ensure a simple and quick assembly of each house. This allows for a full construction of a detached house to be finalized within a week.

► ONE SIMPLE SYSTEM FOR WALLS, CEILING AND ROOF

The GHS construction technology – GHS ClipPlus 80 – allows to construct the whole house from the same profiles. With simple adjustments, the wall profiles are used as ceiling profiles for two-story buildings as well as roof profiles for a flat roof.

► EASY INSTALLATION

Electrical installations and water piping can be carried out easily. Electrical cables, pressure lines for water supply and drains up to a diameter of 50mm are laid directly in the house walls before being covered with concrete.

► MAINTENANCE-FREE, LONG-LASTING, ROBUST

The plastic-concrete walls form both the inner and outer facade of the house. The surfaces are smooth, easy to clean and do not need extra paint or plaster. The concrete core is permanently protected against external factors. This ensures an attractive look, a high hygiene standard and endurance for decades.

► EARTHQUAKE, HURRICANE, BULLET- AND FIRE- PROOF

The combination of concrete foundation and reinforced concrete walls with elastic plastic surface and poured roof anchors guarantees maximum stability. The GHS Permanent Home withstands hurricane-like winds and even strong earthquakes. Over 70% of the object consists of non-flammable concrete. The PVC shell, unlike wood or other construction materials, is self-extinguishing (not inflammable) and in the case of a fire melts rather than bursting into flames.

► ENVIRONMENTAL FRIENDLINESS

All our PVC profiles can be 100 % recycled. Considered over a long-term cycle, houses filled with concrete can actually be crushed and re-used as a construction material elsewhere. Pure hard PVC is used to make the walls, windows and door profiles. No softeners or heavy metals have been added as stabilizers. According to an independent study by TÜV Rheinland, there are no emissions of volatile, organic or carcinogenic substances. Consequently, PVC used in this application presents absolutely no harm to public health.

Four steps to build a GHS Permanent Home

The PVC housing profiles are pre-fabricated in the plant and prepared for assembly, then delivered to the construction site.



— FOUNDATION

The subsoil is prepared and leveled. Reinforcing steel is used. Sanitation pipes are laid, and then a concrete foundation is poured.

— WALLS

The PVC wall profiles are erected and connected to the foundation. With help from prefabricated modules from the production plant, they can be erected in very short times. No lifting machines are needed for this. Wiring hoses and conjunction casings for electrical wiring are installed inside the profiles. The wall profiles are then filled with concrete - using a concrete pump or manually with buckets. This creates a solid house.



— ROOF, WINDOWS, DOORS

1st ways

Firstly, roofs are constructed of conventional light-weight steel or timber trusses. These are fixed on the reinforced concrete ring-beam with light-weight or heavy-weight roof cladding. Conventional insulation and ceiling can be installed.

2nd ways

Secondly, roofs are constructed of the GHS ClipPlus Wall Technology Building System. The GHS system roof (sloped 10°) consists of GHS ClipPlus wall profiles mounted on special walltop/connecting profiles which serve together with special iron plates/anchors as ingenious connecting elements between the covering and the walls. Conventional (PVC, wood or steel aluminium) window and door frames are fitted in the wall openings provided.

— INTERIOR FITTING

The interior fittings (sanitation facilities, tiles, floorings, furniture, lights, etc.), which are installed by the customers themselves, respond to individual requirements and design.



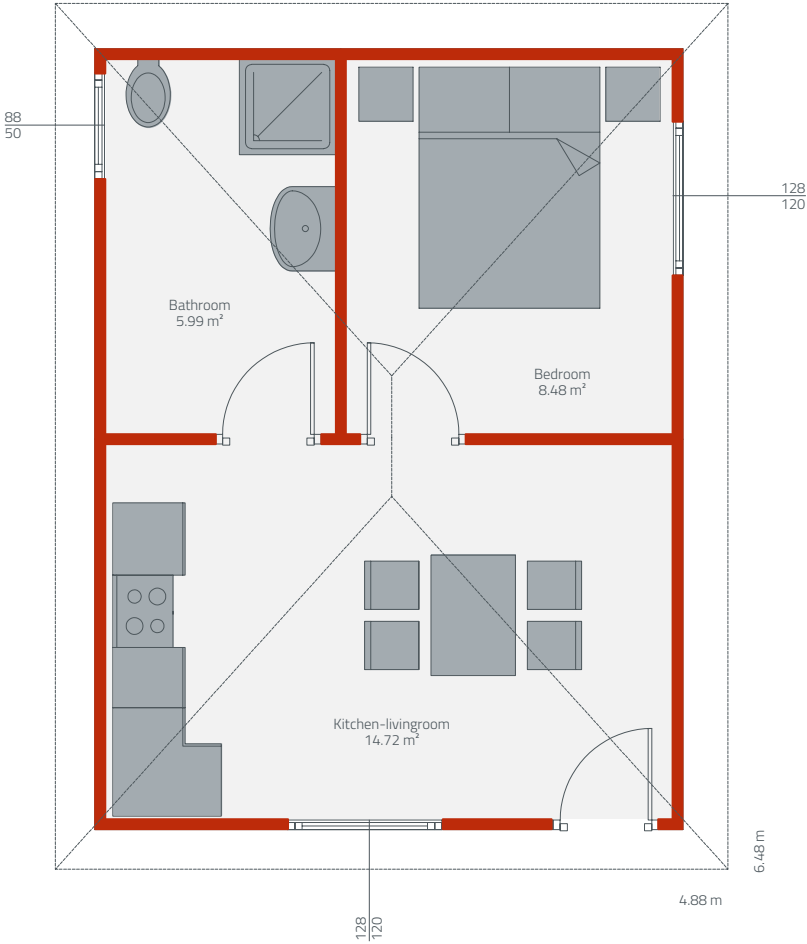


„It is more than just a new home to me,
it is a new perspective in my life.“

Affordable and at the same time comfortable housing solutions are demanded world-wide. Cost-effective houses that can be erected in a few days are the strength of GHS Global Housing Solutions. The GHS Permanent Home is a massive and secure house that effortlessly withstands storms, fire and earthquakes. Choose your GHS Permanent Home, whether it is a single-storey, a two-storey or a terraced house.



GHS smart 30

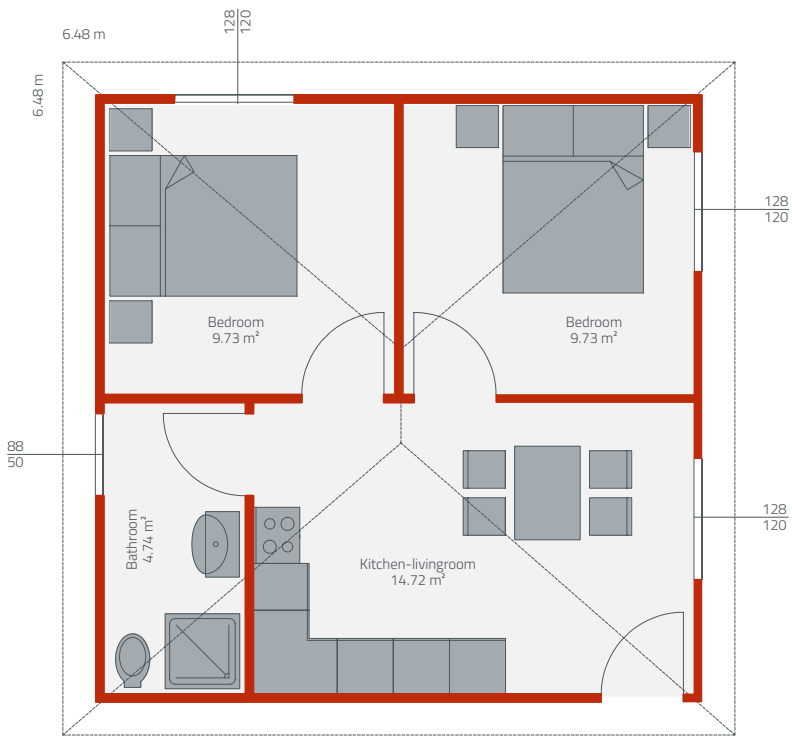


Shortfacts

Foundation m²	44 m²
Carpet area	30 m²
Quantity wall profiles	73 m²
Nbr. of windows	3
Nbr. of doors	3
M³ concrete for walls	6 m³
Steel reinforcement for walls	100 kg
Roof structure	Wooden roof truss with tiles



GHS smart 40

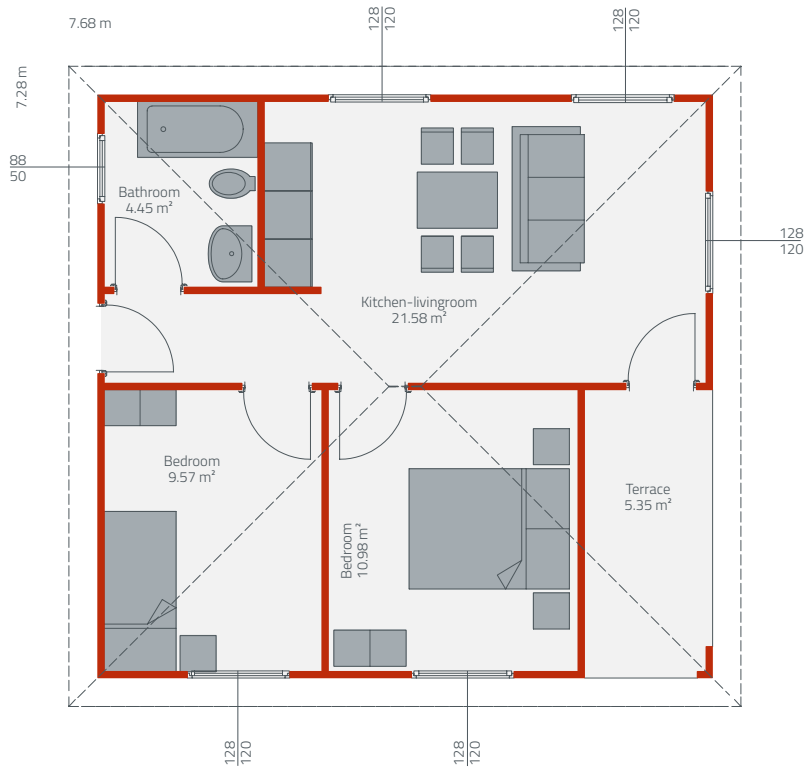


Shortfacts

Foundation m²	56 m²
Carpet area	40 m²
Quantity wall profiles	90 m²
Nbr. of windows	4
Nbr. of doors	4
M³ concrete for walls	7,5 m³
Steel reinforcement for walls	124 kg
Roof structure	Wooden roof truss with tiles



GHS compact 50

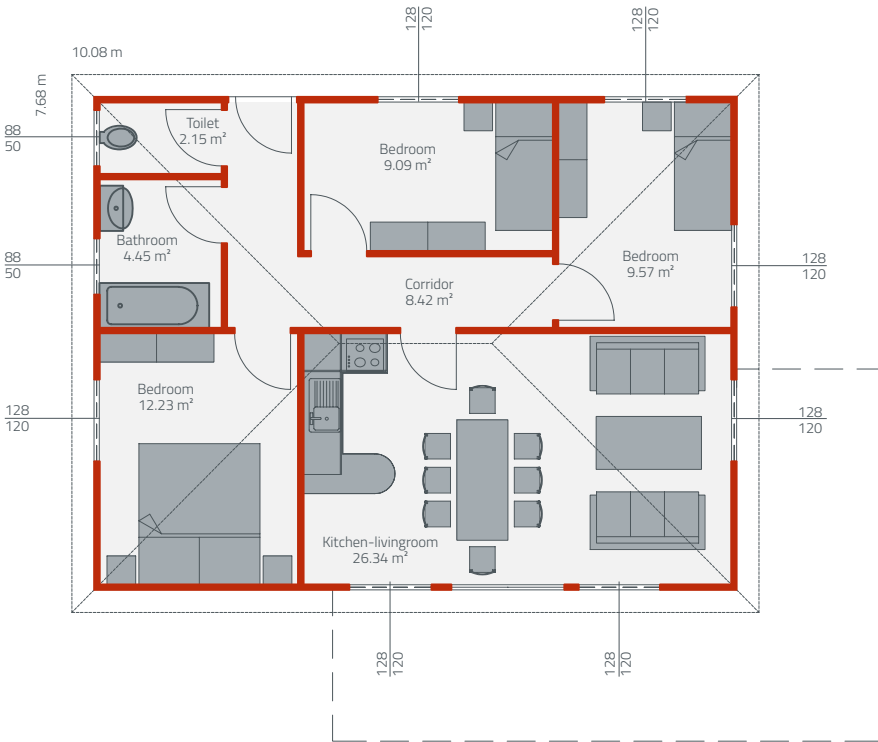


Shortfacts

Foundation m²	72 m²
Carpet area	50 m²
Quantity wall profiles	120 m²
Nbr. of windows	6
Nbr. of doors	5
M³ concrete for walls	10 m³
Steel reinforcement for walls	170 kg
Roof structure	Wooden roof truss with tiles



GHS compact 70



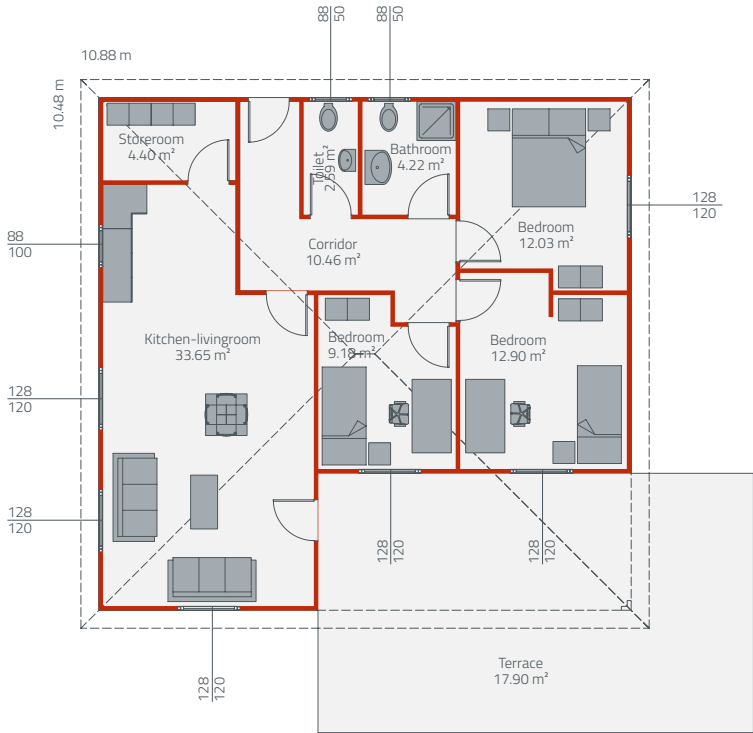
Shortfacts

Foundation m²	96 m²
Carpet area	70 m²
Quantity wall profiles	152 m²
Nbr. of windows	9
Nbr. of doors	8
M³ concrete for walls	12 m³
Steel reinforcement for walls	214 kg
Roof structure	Wooden roof truss with tiles





GHS family 90

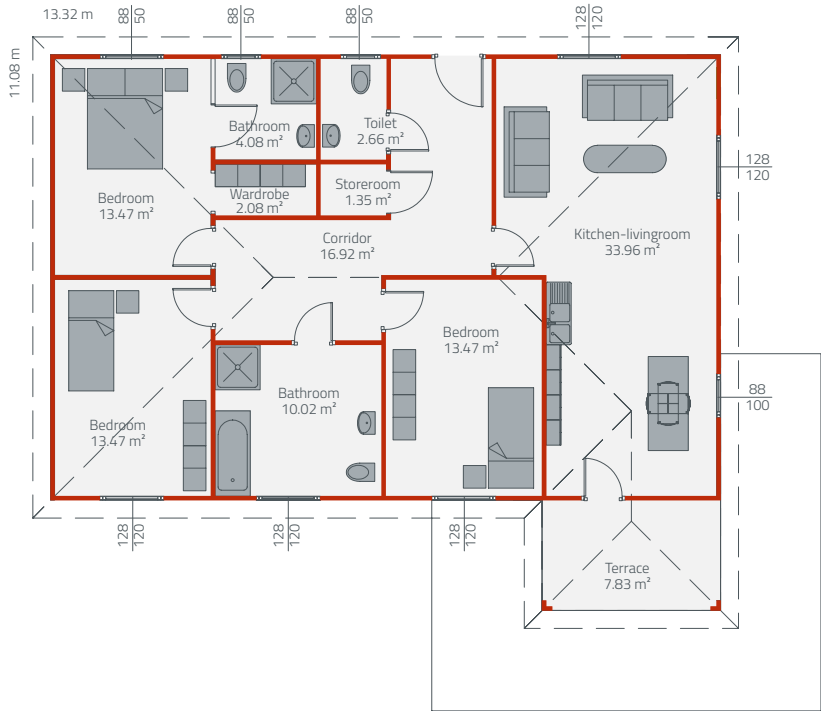


Shortfacts

Foundation m²	136 m²
Carpet area	90 m²
Quantity walls profiles	182 m²
Nbr. of windows	9
Nbr. of doors	9
M³ concrete for walls	14,5 m³
Steel reinforcement for walls	252 kg
Roof structure	Wooden roof truss with tiles



GHS family 110



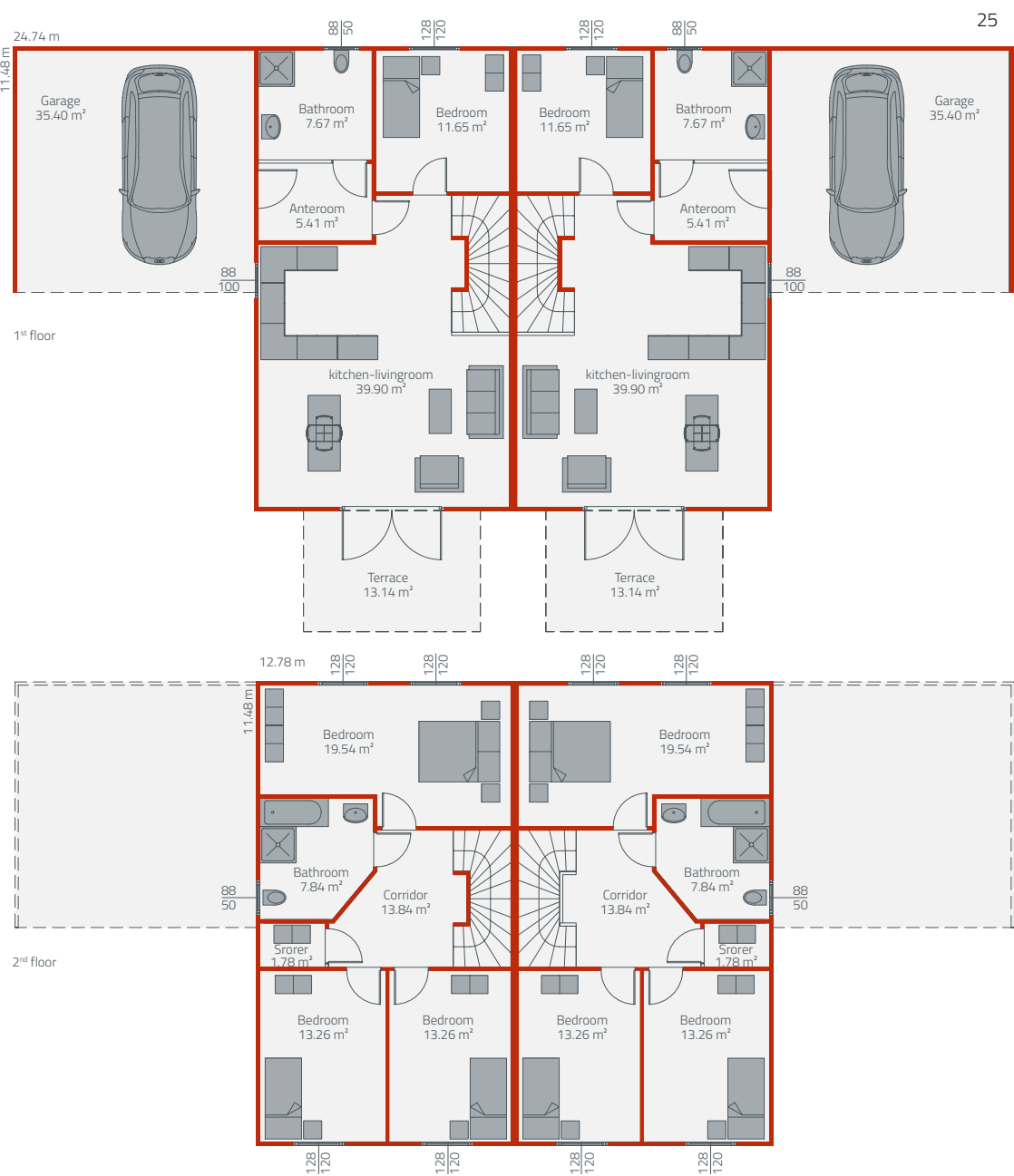
Shortfacts

Foundation m²	142 m²
Carpet area	110 m²
Quantity walls profiles	210 m²
Nbr. of windows	9
Nbr. of doors	10
M³ concrete for walls	17 m³
Steel reinforcement for walls	286 kg
Roof structure	Wooden roof truss with tiles





GHS duplex 120



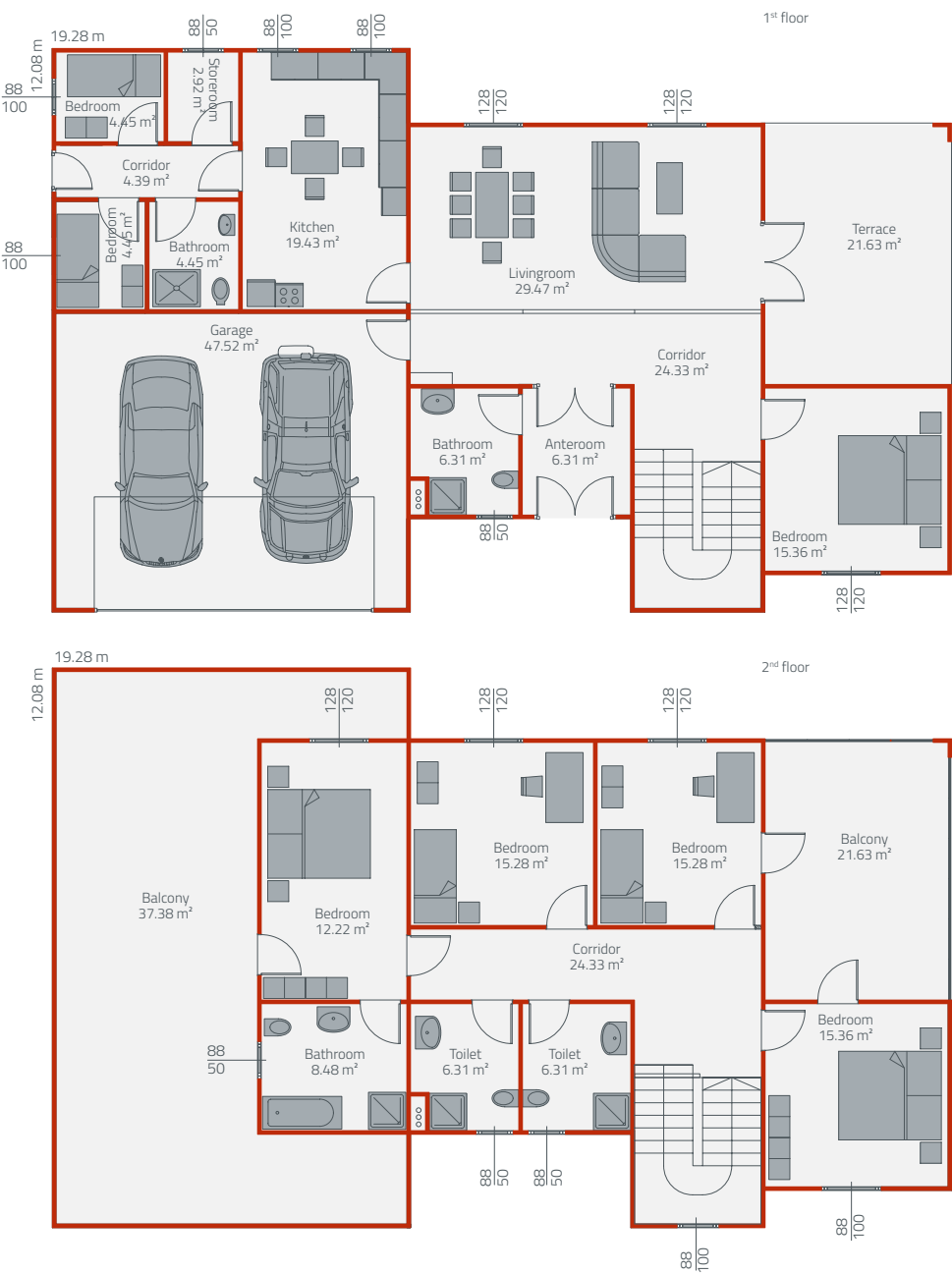
Shortfacts

Foundation m ²	110 m ²
Carpet area	120 m ²
Quantity walls & ceiling profiles	413 m ²
Nbr. of windows	16
Nbr. of doors	20
M ³ concrete for walls & ceiling	35,5 m ³
Steel reinforcement for walls & ceiling	1860 kg
Roof structure	Wooden roof truss with tiles





GHS luxury 300

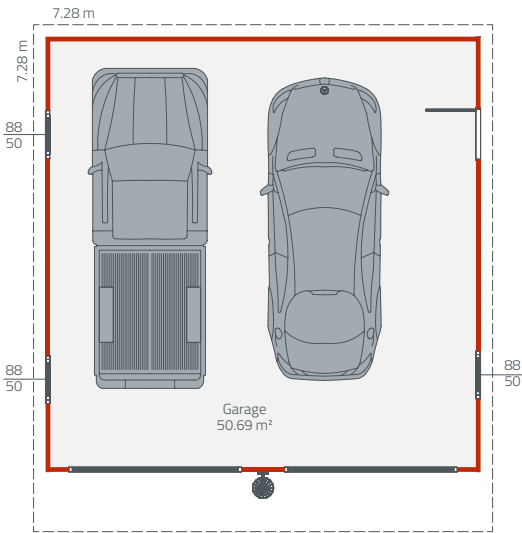


Shortfacts	
Foundation m ²	232 m ²
Carpet area	300 m ²
Quantity walls, ceiling & roof profiles	836 m ²
Nbr. of windows	17
Nbr. of doors	23
M ³ concrete for walls, ceiling & roof	74,5 m ³
Steel reinforcement for walls, ceiling & roof	5637 kg
Roof structure	Flat roof





GHS garage



Shortfacts	
Foundation m²	69 m²
Carpet area	50 m²
Quantity walls & ceiling profiles	113 m²
Nbr. of windows	3
Nbr. of doors	3
M³ concrete for walls & ceiling	10,5 m³
Steel reinforcement for walls & ceiling	810 kg
Roof structure	Flat roof



We not only provide homes,
but also technology
and know-how for
a future worth living.

ALEXANDER KHINAST,
MANAGING DIRECTOR
HARALD RATH,
MANAGING PARTNER





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