

Substructure single stud frame fire protection EI90

GMP

BSL-2

BSL-3



The single metal stud frame of the HT wall system is fitted as a non-load-bearing interior wall. Fitting is carried out using vertical C-profile supports which are screwed to the floor rails at the distance of the grid or according to the outline drawing. The profile lengths get fitted to the building shell height and its standard is 3.10 m, grid spacing up to 1.25 m. The connection

to the bare ceiling is seamless and absorbs a ceiling deflection of 2 cm. Mineral wool is added into the stud frame for the fire protection. Openings for doors and windows are taken into account already during the planning and building phase. The substructure is designed for the requirements of laboratories.

Dimensions

Profile length	standard up to 3100 mm
Profile supports	C-profile 40 x 110 x 2 mm
Ceiling profile	170 x 45 x 2 mm
Floor profile	140 x 115 x 2 mm with GRP insert
Grid spacing	max. 1250 mm

Technical data

Profile supports	galvanised sheet steel C-profile, the side and lower connections are rigid, the upper connection to the bare ceiling is slid, filled with GRP-bar
Floor and ceiling rail	stainless steel profile, the floor rail must be levelled to the building level
Mineral wool	80 mm strong, 50 kg/m ³ for increased sound and fire protection regulations

