

DISCLAIMER: Quantities extracted from IFC file. Accuracy depends on IFC data quality. Reinforcement steel quantities are estimated from concrete volume using industry ratios (BS EN 1992 / ACI 318) — not rebar schedule quantities, do not use for procurement. Verify all quantities against project drawings before use in contracts or procurement.

Project:	2018012 Adams Wielandstraße Quartier B TIEFGARAGE	Client:	—
Prepared by:	—	Revision:	R0
Generated:	31 May 2026 10:31	Currency:	EUR (€)
Concrete rate:	€120.0/m3	Steel rate:	€1.2/kg
Wall Filter:	Filter active but LoadBearing absent on 31 wall(s) — included by default. Manual review required.		

PROJECT SUMMARY

18	62.703 m3	4,508 kg	€21,341.43
Total Elements	Concrete Volume	Total Steel	Total Cost

FILE DATA CONFIDENCE

Data Source	Elements	Share	Reliability
BaseQuantities (IFC certified)	14	100%	PRIMARY
Pset Properties (authored)	0	0%	—
Partial Pset + Defaults	0	0%	—
Geometry Extraction (3D solid)	0	0%	—
Hardcoded Defaults	0	0%	—
Proxy Elements (unclassified)	4	—	MANUAL REVIEW
Overall Data Reliability			HIGH

ELEMENT DATA CONFIDENCE

Element Type	Total	BaseQty	Pset	Geo	IFC%	Flagged
Beams	4	4	0	0	100%	0
Slabs	2	2	0	0	100%	0
Walls	8	8	0	0	100%	0
TOTAL	14	14	0	0	100%	0

COST BREAKDOWN

Cost Component	Amount (€)	% of Total
Material — Concrete	€7,524.34	35.3%
Material — Steel	€5,409.86	25.3%
Waste / Contingency	€1,293.42	6.1%
Labor	€7,113.81	33.3%
TOTAL	€21,341.43	100%

STRUCTURAL QUANTITY SUMMARY

Type	Subtype	Count	Volume (m3)	Rate	Cost (€)	Pricing	Src
Beams	Beam	4	0.52	€120/m3	€235	USE	BQ
Slabs	Floor Slab	2	23.66	€120/m3	€8,902	USE	BQ
Walls	Wall	8	38.52	€120/m3	€12,204	USE	BQ

Src codes: BQ = BaseQuantities (IFC certified) | P = Pset properties | PD = Partial Pset + defaults | G = Geometry extraction | D = Defaults only | NC = Non-concrete

REINFORCEMENT STEEL SCHEDULE

Steel weight estimated: 4,508.2 kg — derived from concrete volume x industry ratios (BS EN 1992 / ACI 318). No modeled IfcReinforcingBar elements found in IFC file. Do not use for rebar procurement.

MODEL DATA QUALITY FINDINGS

4 elements flagged for review | 4 High severity | 0 Medium | 0 Low | Overall model quality: **ACCEPTABLE FOR ESTIMATION**

High Severity — 4 Elements (Quantity Accuracy Affected)

Finding 1 (4 elements)

Elements: SAWB-AUSGUSS; SAWB-045X031; and 2 further elements of the same type

Issue: Exported as IfcBuildingElementProxy — BIM software could not map this family to a standard IFC class. Classify manually and assign correct type.

Data confidence: 0%

High severity items affect quantity accuracy and should be resolved before use in cost estimation. Low severity items are informational — verify against drawings during detailed design stage.

DISCLAIMER: This report is for early-stage structural estimation only. All quantities should be verified against approved structural drawings and engineer's calculations before use in contracts, tenders, or procurement. This report does not constitute a structural engineer's assessment. shabirbim.com