



WOOD AND CONCRETE IN A STRONG COMPOUND

BENEFITS:

- HBV screws and fasteners fitted at the factory
- Quick installation and simple connection to solid structure
- Weatherproof packaging possible
- Low overall height relative to span
- Versatile use due to high payloads
e.g. for office and administration buildings



Walk-on, weatherproof covering of the compound screws possible

REFERENCE PROJECT LIDL WINNENDEN

- Business premises on ground floor
- Office and administration on upper floor securely packed until concrete casting
- Dimensions: 24.5 x 54.0 m
- Beam spacing: $e = 3$ m
- Beam height + in-situ concrete ceiling: < 2.0 m
- Beam "hangs" in support swing → freedom of movement and structural tolerance compensation possible
- Shear connection via slanting screws
- Compound over in-situ concrete ceiling



Interface between concrete reinforcement and shear



GLT structure with constructed precast ceiling

