

### Preliminary comments

The renting of formwork materials is one of the areas of business of formwork manufacturers and companies selling construction equipment. This instructional booklet specifies the relations between the hirer and the rental company of formwork.

In the interest of transparency in the relationship the hirer and the rental company, it is necessary to define the term *rental formwork* and the services associated with the renting of formwork. The Güteschutzverband Betonschalungen Europa e.V. (Quality Protection Association for Concrete Formwork Europe) has published this instructional booklet *Rental Formwork* to address this point.

Section 1 contains the definition of the term *rental formwork*. Section 2 specifies the general terms of rental and Section 3 sets out the price structure for rental formwork. These last two sections make reference to additional services, which have no connection with the similar concept in the VOB/C (German Construction Contract Procedures) and can be ordered by the hirer from the rental company and must be paid for separately. With regard to the required condition of the rental materials at the time of delivery and return, the relevant quality criteria based on the applicable version of GSV Guideline *Quality criteria for rental formwork* shall apply

In the event that no other agreements have been concluded between the hirer and rental company, the rental company's general terms of rental and supply shall apply.

## 1 Definition of term

### *rental formwork*

- As a general rule, rental formwork is used equipment. There is no entitlement to new materials.
- The rental formwork itself must be in a clean, technically proper and functional condition.
- All rental formwork used is to be inspected by the rental company at the depot before delivery and after return in accordance with GSV guidelines.
- Due to the corresponding expertise and professional competence, repairs are only to be carried out by the rental company.
- The formlining may exhibit appropriate and correctly implemented areas of repair. Special

formlining requirements, for example exposed concrete quality finish, are to be agreed upon in advance between the hirer and rental company.

## 2 General rental conditions

### 2.1 Delivery and return of rental formwork

- Rental formwork is to be bundled in shipable units and made safe for transportation.
- Verifiable delivery notes are to be attached.
- Delivered and returned equipment is to be inspected after receipt to ensure that the shipment is complete. Incomplete deliveries or quality and functional defects are to be recorded on the delivery note, and written notification of such is to be sent immediately.

### 2.2 Handling on the construction site

- The provisions of manufacturer's assembly and operating manual must be observed. Attention is drawn here to the contractor's obligations arising from health and safety at work legislation.
- Loadbearing components must be used in accordance with the available allowable load tables or structural design calculations.
- With regards to the condition of the rental formwork, particular attention is focused on:
  - appropriate and correct storage,
  - careful handling during shuttering, striking and transportation,
  - monitoring of the condition of the rental materials and setting aside of damaged components,
  - anti-theft measures,
  - design for and monitoring of fresh concrete pressures and other effects of the concrete,
  - appropriate and correct compaction of the fresh concrete,
  - intermediate and final cleaning,
  - formlining maintenance.

### 2.3 Cleaning before return

- Rental formwork is subject to wear and tear through utilisation on the construction site and will become dirty.
- If the cleaning is carried out by the hirer before the return of the rented formwork, it shall be carried out properly and

professionally, so that no further reworking is required on the part of the rental company.

- Wear and tear through appropriate use has been taken into consideration in the rental price. This does not include any damage to the formwork caused by inappropriate handling e.g. mechanical damage, use of force or during transportation.

### 2.4 Miscellaneous rental conditions

A rental contract may contain further provisions, such as billing procedures, periods of notice and programmed dates, warranties and liabilities, which must be agreed separately between the hirer and the rental company.

## 3 Pricing structure for rental formwork

The price for the rental formwork is made up of several parts:

Any individual services between the hirer and rental company are to be agreed upon in advance.

### 3.1 Hire

Rental charges include the following:

- business overheads,
- depreciation in value of the rented formwork as a result of appropriate use on the construction site,
- standard repair of the materials outside of the equipment utilisation period,
- interest charges,
- risk and profit.

### 3.2 One-off payment

One-off payment, which is incurred with every rental contract, include the following:

- storage and handling costs,
- order processing,
- other scheduling costs.

### 3.3 Additional services

Additional services, not listed under Clauses 3.1 or 3.2, which have no connection with the similar concept in the VOB/C (German Construction Contract Procedures), can be ordered by the hirer from the rental company and must be paid for separately. These include, for example:

- engineering services in the form of structural engineering calculations or formwork utilisation planning,
- transportation and logistics,
- repair of damage resulting from inappropriate handling of the formwork materials,
- cleaning of the formwork materials after being returned to the rental company,
- taking back the rented equipment on the construction site
- preassembly
- service technician.

Price structuring for the rental formwork can be agreed upon between the hirer and rental company, and described in the offer differently.

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