

GSV Instructional Booklet

Rental Formwork

January 2006 Edition

Güteschutzverband Betonschalungen e.V.
(Quality Protection Association for Concrete Formwork)

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Preliminary comments

The renting of formwork materials has become the most important area of business for formwork manufacturers and companies selling construction equipment. All businesses working in these two fields have appropriate rental equipment inventories which are offered and utilised in the market.

The rental business is accompanied at the present time - except for delivery of materials - by cost-intensive, additional services.

This booklet defines the scope of services and, together with the GSV guidelines, "Quality Criteria of Rental Formwork" - the latest editions apply in each case - the relevant quality criteria for customers and rental formwork companies, and serves to provide transparency in this sector.

If no other agreements exist between the hirer and rental company, general terms of rental and delivery will apply.

1 Definition of 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.
- The formlining may exhibit appropriate and correctly implemented areas of repair. Special formlining requirements are to be agreed upon in advance between the hirer and rental company.

2 Processes

2.1 Delivery and return of rental formwork

- The rental formwork is to be bundled in shipable units and made ready for transportation.
- Verifiable delivery notes are to be attached.
- Delivered and returned equipment is to be inspected after delivery 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 safe and correct handling of the formwork on the construction site is to be documented in the form of written assembly instructions issued by the client, and contain all required safety-relevant data. Apart from the assembly instructions, this includes the manufacturer's user manual which, if necessary, can be requested from the formwork rental company.
- 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,
 - intermediate and final cleaning,
 - formlining maintenance.

2.3 Repairs and cleaning before return delivery

- Rental formwork is subject to wear and tear through utilisation on the construction site and will become dirty when used.
- If cleaning takes place before the rental formwork is returned by the hirer, it must be carried out in such a fashion which precludes the need for any reworking by the rental company. Damage to the formlining is to be avoided.
- 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.
- Due to the specialist knowledge demanded, repairs are to be carried out by authorized rental company employees only. The time required is to be recorded as the so-called equipment utilisation period (rental time).

3 Price structure for rental formwork

The price of rental formwork is comprised of the following:

- formwork material rental e.g. per month,
- non-recurring costs,
- additional services (special services).

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

3.1 Rental

Rental charges include the following:

- 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 for the capital employed
- risk and profit.

These factors were defined according to the values for depreciation, interest charges and repairs contained in the 2001 Construction Equipment List (Baugeräteliste 2001).

3.2 Non-recurring costs

Non-recurring costs, which are incurred with every rental contract, include the following:

- storage and handling costs
- order processing
- consultation and sales.

3.3 Additional services (special services)

The hirer can request additional services from the rental company not specified in 3.1 and 3.2. These include, for example:

- engineering services in the form of static calculations or formwork utilisation planning
- transportation
- repair of damage resulting from inappropriate handling of the formwork materials
- cleaning of the formwork materials after being returned to the rental company.

The hirer is to be invoiced separately for any additional services.

Price structuring for the rental formwork can be agreed upon between the hirer and rental company, and described in the offer differently. Non-recurring costs and the additional services can be included in other positions or presented as individual items.

Application examples are provided in separate documentation.

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