

# Preliminary estimate: RAPID® T-CON

acc. to: European Technical Assessment: ETA-18/0829

BUILDING PROJECT: \_\_\_\_\_  
 POS.NR.: \_\_\_\_\_  
 FILLED OUT BY: \_\_\_\_\_  
 TRADER: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

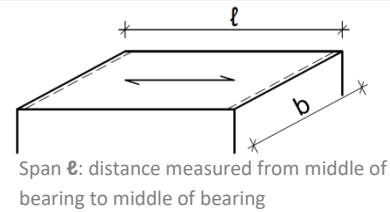
DATE: \_\_\_\_\_

## GENERAL INFORMATION:

Type of construction:  New  Consisting  
 Service class:  Class 1  Class 2  
 Requested ceiling class for vibrations:  Class I (8Hz)  Class II (6Hz)  Class III (no precautions)  
 Requested fire resistance class:  non  R 30  R 60  R 90

## SYSTEM:

Span  $\ell$ : \_\_\_\_\_ m  
 Room depth  $b$ : \_\_\_\_\_ m

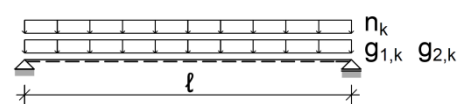


## LOAD:

Dead weight  $g_{1,k}$ : Measurements by the internal software.

Constant load  $g_{2,k}$ : \_\_\_\_\_ kN/m<sup>2</sup>

Imposed load  $n_k$ :  Apartments 2,0 kN/m<sup>2</sup>  
 Offices, schools 3,0 kN/m<sup>2</sup>  
 Another service class: \_\_\_\_\_ kN/m<sup>2</sup>

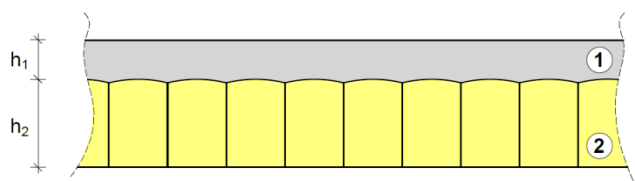
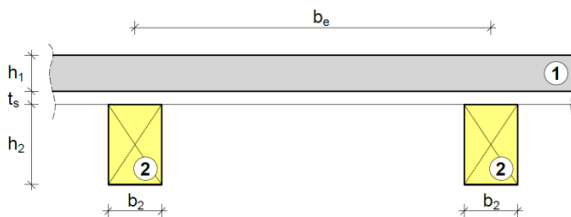


Partition surcharge:  0,5 kN/m<sup>2</sup>  0,8 kN/m<sup>2</sup>  1,2 kN/m<sup>2</sup>  
 Ceiling assumed:  Ceiling not assumed:

## SECTION:

Ceiling with timber beam:

Dowel beams / Cross-laminates timber (CLT)



### Concrete slab:

Height:  $h_1$ : \_\_\_\_\_ cm

### Formwork / intermediate layer:

existing:   $t_s$ : \_\_\_\_\_ cm not existing:

### Timber section:

Panel/ dowel beams:   $h_2$ : \_\_\_\_\_ cm

Timber beam:   $b_e$ : \_\_\_\_\_ cm  
 $b_2$ : \_\_\_\_\_ cm  $h_2$ : \_\_\_\_\_ cm

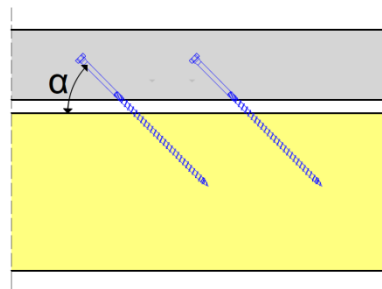
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## QUALITY OF MATERIAL:

- Concrete quality:  C 20/25  C 25/30  C 30/35  \_\_\_\_\_
- Reinforcement:  min (1.88 cm<sup>2</sup>/m longitudinal, 1.13cm<sup>2</sup>/m traverse)  other: \_\_\_\_\_
- Intermediate layer:  3s-Panel  OSB-Panel  Boards C24
- Interlayer foil:  Yes  No
- Timber quality:  C24  C30  GL24h  \_\_\_\_\_

## T-CON timber-concrete-composite-system:



Preferred angle of screw connection  $\alpha$ :  45°  90°

If there is an intermediate layer (formwork) in use, the screw connection at 90° is less favourable than the screw connection at 45°.

## INFORMATION / NOTES: