

New Features of CadnaB Version 2024 MR1

The new features of **CadnaB** Version 2024 can be found [here](#).

Note

Version 2024 MR1 also contains bug fixes, which can have an influence on the calculation results, see below in the "Bug fixes" section. Due to these changes, we recommend an update, which is available on our website (after login).

New Features Version 2024 MR1

General features:

- Improvements in relation to the Academic license.

Bug fixes Version 2024 MR1

General Bug fixes:

- Improved detection of suspended ceiling on rigid ceilings during horizontal transmission.
- DIN 4109 Results table: Adaptation of the display of requirements against outside noise.
- Correction in the export of the results table regarding the language used.
- Interoperability: Improvements in synchronizing levels from CadnaA to CadnaB.
- Modification when calling up the room " Usage" with the keyword.

New Features of CadnaB Version 2024

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General features:

- ISO 12354: Structural reverberation time in-situ correction for type A elements according to ISO 12354-1 Annex C is available (Calculation configuration | Structural reverberation time).
- DIN 4109: The correction K_T to consider different spatial allocations for impact sound transmission between the sending and receiving rooms can now be manually overwritten in the results dialog.
- Option for manual adjustment of the room volume implemented (Mode: Project | Room dialog).
- DIN 4109: Special entries for lightweight ceilings and double-shell partition walls can be transferred in the results mode using copy (Ctrl + c) & paste (Ctrl + v).
- In the dialog "Room/habitation assignment" it is now possible to create new habitations and rename apartments and rooms (Mode: Project).
- Adjusted output of flanking transmissions for floors and ceilings during horizontal transmission in the results dialog for multi-piece partitions.
- Chinese can be set as the language (Extras | Select language).
- ISO 12354: Change default search method for flanks to 0.5 m according to DIN EN ISO 12354-1:2017-11 Annex J.4.4 (for new projects).

Comprehensive optimization of interoperability:

- ISO 12354: The interoperability calculation now also takes small components into account, which are defined by a element normalized sound level difference $D_{n,e}$.
- Single wall pieces that are smaller than the couplings distance spacing of the couplings are considered in the calculation.
- Sound levels transferred from CadnaA to CadnaB are now named after the CadnaB walls. The ID is stored under "Supplementary information" in the data for the sound level.
- ISO 12354: Sound levels between CadnaA and CadnaB are only transferred if calculation results are available in CadnaB.

Bug fixes Version 2024

General Bug fixes:

- DIN 4109: Bug fix in the assignment of D_{nf} for horizontal transmission in solid construction from an overlying D_{nf} -specification for the floor (this may influence calculation results).
- Bug fix in naming objects when duplicating storeys.
- Bug fix for junction detection junction type 174.
- Adaptation of the search method for flanks with small offsets (this may influence calculation results).

Interoperability Bug fixes:

- Bug fix in the correction of areas, multi-part walls or walls with elements (this may influence the calculation results).
- Adaptation of flank assignment of multi-piece separation components in case of horizontal transmission.
- Flanking transmissions of the respective wall are considered at each coupling.