



CADS UK DESIGN DVD 2019

ANALYSIS AND DESIGN RELEASE NOTES



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CADS UK Design DVD 2019

Thank you for upgrading to the latest Design DVD 2019.

These release notes summarise the enhancements and corrections made across all software.

CADS UK Design DVD 2019 can be installed on Windows 7, Windows 8.1 and Windows 10.

General enhancements

1. Upgraded the installer to MSI installation across all products.
2. Cloud licensing now supports proxy server connections.

General corrections

1. Slow boot-up problem is now fixed across all products.

CADS A3D MAX

Corrections made:

1. Clicking on print preview with overhangs selected caused a crash in some instances. This is now fixed.
2. Print or print preview crashed when a logo was not present in the header. This is now fixed.
3. Self-weight of haunches was not included in the report when Automatic Self-weight was selected. This is now fixed.
4. Elastic section modulus of UK Advance angle sections were wrong. This is now corrected.
5. Design results tree retains user settings after refresh.
6. Various issues in integrated design of steel members to Eurocode 3 have now been fixed.

CADS Analyse 3D

Corrections made:

1. Clicking on print preview with overhangs selected caused a crash in some instances. This is now fixed.
2. Print or print preview crashed when a logo was not present in the header. This is now fixed.
3. Self-weight of haunches was not included in the report when Automatic Self-weight was selected. This is now fixed.
4. Elastic section modulus of UK Advance angle sections were wrong. This is now corrected.
5. Design results tree retains user settings after refresh.
6. Various issues in integrated design of steel members to Eurocode 3 have now been fixed.

CADS SMART Engineer

Corrections made:

1. Timber members – EN 1995-1:2004 Check: Floor joist – Under certain circumstances the template reports the section has passed even though it had failed in deflection. This is now fixed.
2. Retaining wall – Stepped masonry retaining wall: stability check - Under certain circumstances an error message was displayed when a water table is present. This is now fixed.
3. Retaining wall – RC cantilever retaining wall - strength check - An error message was displayed when heel length is zero and span/deflection ratio check is enabled. This is now fixed.

CADS Velventi

Enhancements:

1. CADS VelVenti can now calculate and report the peak Velocity pressure at specified height bands along the building height.

CADS Steelwork Moment Connections

Corrections made:

1. In some instances CADS SW Moment Connections crashed when a web doubler was added. This is now fixed.

CADS Composite Beam Designer

Corrections made:

1. Floor panel mode ignored the default restraints. This is now fixed.

CADS Masonry Wall Panel Designer Max

Corrections made:

1. An incorrect equivalent uniform pressure was calculated for line loads. This is now fixed.
2. Minor modifications have been made to the un-cracked vertical load resistance calculation.
3. Moment coefficient is now altered according to the modified aspect ratio for yield line pattern 3.

CADS Smart Portal 2D

Corrections made:

1. In previous versions, CADS SMART Portal 2D was not linked to the latest CADS VelVenti. This is now fixed.

CADS Smart Portal 3D

Corrections made:

1. In previous versions, CADS SMART Portal 3D was not linked to the latest CADS VelVenti. This is now fixed.