

**NCCT / NCCTL**  
Non-combustible  
Cavity Tray  
System / Lintel  
Specification  
Guide



# Non-combustible Stainless Steel Cavity Tray Systems

The Keyfix NC range provides Document B compliant, Class A1 non-combustible cavity protection in buildings utilising steel frame systems.

## Requires No Sealants or Mastics

The Keyfix NCCT is the only Cavity Tray of its type on the market with a mechanical dry seal at joints. By eliminating the use of any sealants at joints we have removed the possibility of installation errors caused by onsite conditions.

## Rigid Shelf Support

The rigid stainless steel tray is self-supporting across the cavity enabling the bricklayer to install the trays without assistance.

## Classified A1 Fire Rated

The system is manufactured entirely from Class A1 non-combustible stainless steel, providing no contribution to fire and insignificant release of smoke, droplets or other particles.

## Suitable for all cavities >50mm

To meet the high degree of variation of cavity widths used within a building the Keyfix NCCT is available to suit cavities ranging from 50mm wide. Contact the Keyfix technical team for other cavity sizes.

## High Performance Stainless Steel

Manufactured using high quality 0.5mm thick Grade 304 austenitic stainless steel, assuring longevity in service. For use in coastal locations please specify Grade 316 austenitic stainless steel to ensure compliance with the relevant British Standard codes and NHBC requirements.

## Onsite Simplicity

The system eliminates the need for onsite fabrication and its integral Stop Ends together

with additional NC Weeps and pre fab corner trays ensure easy planning and ordering with stock available quickly via our extensive distribution network.

## Slip Plane Resistance

The lower horizontal 'flange' of the NCCT incorporates a patented indented surface providing a physical key within the mortar bed. This eliminates the risk of slip plane developing within the masonry outer skin.

## Integral stop ends

Every Keyfix NCCT tray incorporates an integral Stop End to ensure water is trapped and channelled outwards at each tray. The integral Stop Ends also provide joint width adjustability of between 7-13mm if required.



### Bond Friendly Adjustable Corners

The system includes prefabricated 90° internal and external corner units which facilitate a continuous run without the need for onsite cutting or fabrication. Bespoke corner angles are available to order. Ribbed joints on corner units provide bond / coursing adjustability.

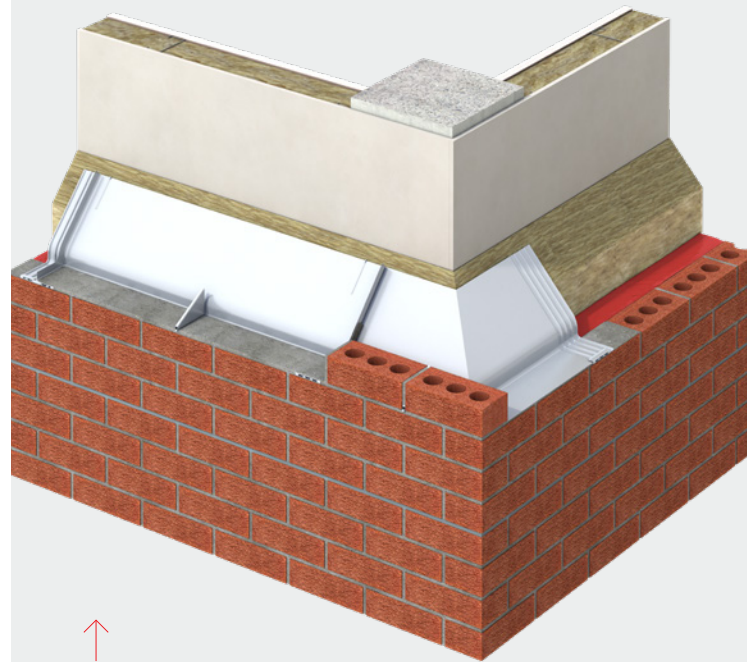
### No Thermal Bridge

Completely self-supporting, the Keyfix NCCT is installed in the outer leaf with no connection whatsoever with the inner skin and therefore does not create a thermal bridge.

### Zero Differential Movement

With installation completely independent from the inner leaf there is zero possibility of differential movement with the Keyfix NCCT system.

## Product Range



### Keyfix NCCT

One-piece, self-supporting non-combustible stainless steel Cavity Tray.

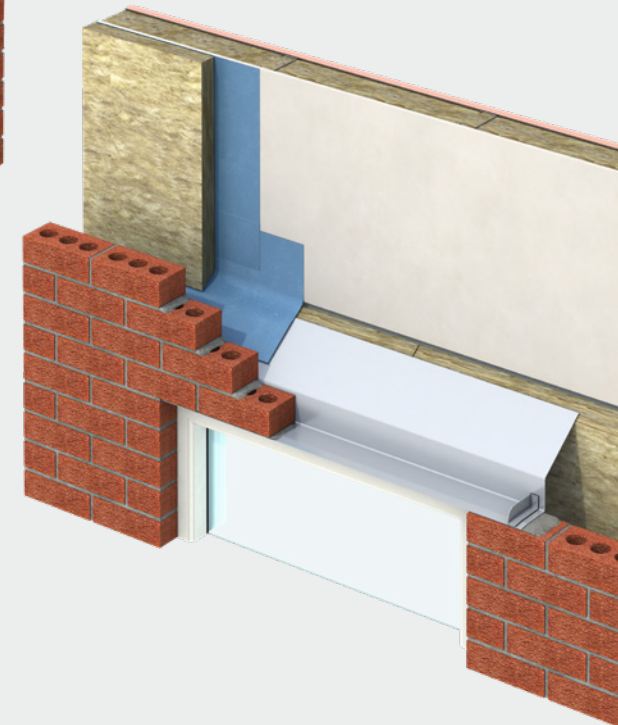
### Onsite Simplicity

The system eliminates the need for onsite fabrication. Integral Stop Ends, NC weeps and pre fab corner trays, ensure easy planning and ordering with stock available quickly via our extensive distribution network.



### Keyfix NCCTL

One piece non-combustible structural load bearing single leaf lintel with combined Cavity Tray for openings up to 2822.5m.





## Specification

### Typical specification clauses

#### CAVITY TRAYS

Use this clause to specify Keyfix trays or change the product name to Keyfix NCCT for projects requiring a mechanical fix to the inner leaf.

#### Non-combustible Stainless Steel Cavity Tray

##### Manufacturer

Keyfix Limited, Ballyreagh Industrial Estate, Sandholes Road  
Cookstown, BT80 9DG, T +44 (0)28 8676 7508

##### Keyfix NCCT

Non-combustible stainless steel Cavity Trays and preformed corners with integral weep vents and interlocking upstands to form watertight joints without sealants.

Installed as per the manufacturer's installation instructions in conjunction with the building's waterproofing membranes to ensure a waterproof barrier across the cavity.

### Typical specification clauses

#### CAVITY TRAY LINTEL

#### Non-combustible Stainless Steel Cavity Tray Lintel

##### Manufacturer

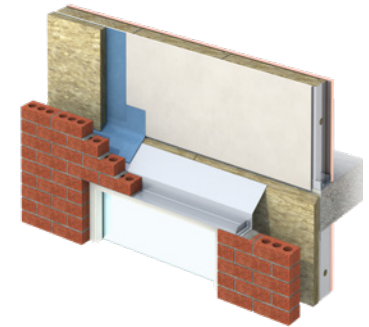
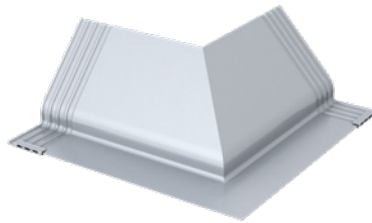
Keyfix Limited, Ballyreagh Industrial Estate, Sandholes Road  
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##### Keyfix NCCTL

Non-combustible structural load bearing single leaf lintel with combined Cavity Tray manufactured with integral mechanically fixed watertight stopends. Installed as per the manufacturer's installation instructions in conjunction with the building's waterproofing membranes to ensure a waterproof barrier across the cavity.

## Ordering Details

Please contact the Keyfix Technical Team for scheduling support. The following table outlines the Keyfix components and product codes.



Keyfix Cavity Tray	Code
Type 1 tray 1 brick 229mm L	NCCT-1/1
Type 1 tray 2 brick 454mm L	NCCT-1/2
Type 1 tray 4 brick 904mm L	NCCT-1/4
Type 1 tray 6 brick 1354mm L	NCCT-1/6

Keyfix Cavity Tray Corner	Code
Internal Left 2 x 1.5 brick	NCCT-1CIL
Internal Right 1.5 x 2 brick	NCCT-1CIR
External Left 2 x 1.5 brick	NCCT-1CEL
External Right 1.5 x 2 brick	NCCT-1CER

Non-combustible Weep	Code
Non-combustible weep vent	NCW

Structural Lintel with Tray	Code
Contact us for scheduling details	NCCLT



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