

# Lindapter®

## Fire Rated Decking Fixings

**2023  
UPDATE**

**Fire rated connection solutions for securing building services systems to composite metal decking.**

Lindapter's extensive range of high quality, cost-effective decking fixings are conveniently installed by locking inside the dovetail re-entrant channels of popular composite decking profiles.

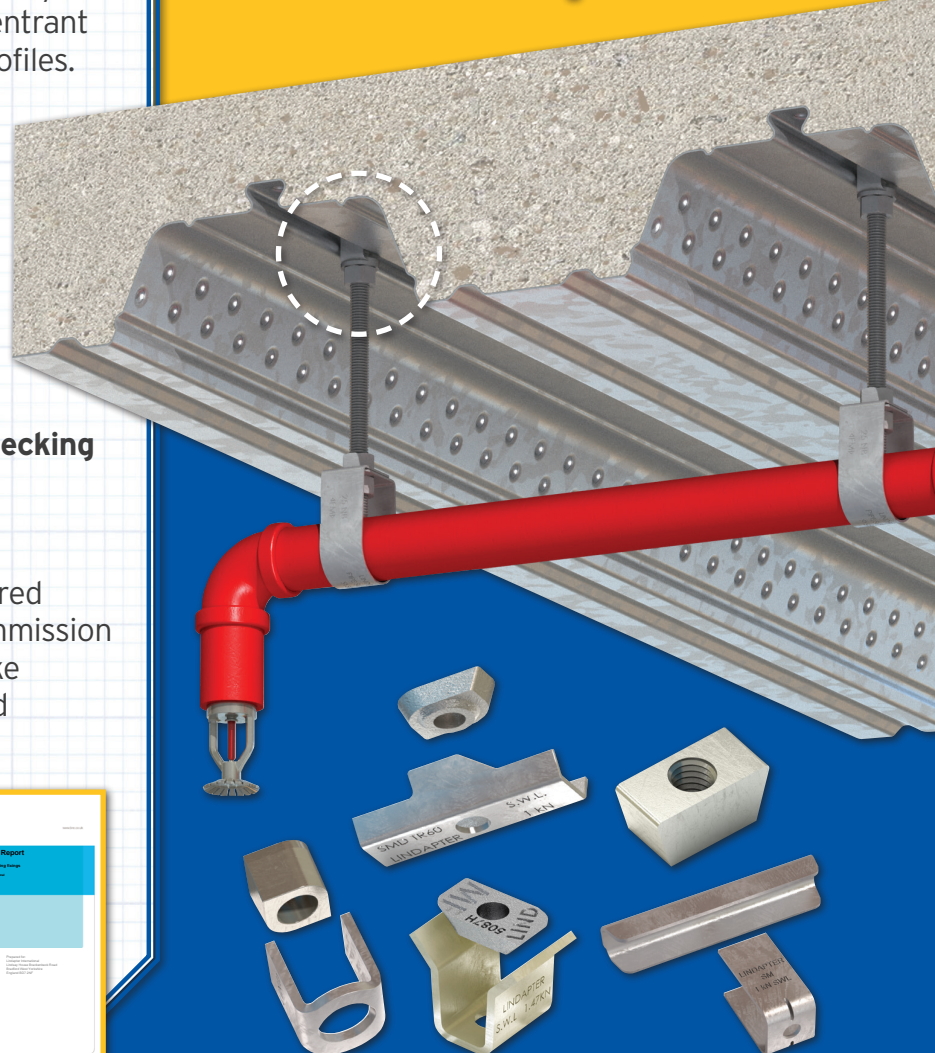
This innovative technique provides an adjustable fixing point for suspending mechanical and electrical equipment that is fast to install and does not compromise the strength of the deck.

- **Quick and easy to install**
- **Safer and reduced working at height**
- **Adjustable for precise alignment**
- **No weakening or delamination of the decking**
- **No specialist labour or tools required**

### Non-Combustible Materials

Lindapter's decking fixings are manufactured from steel and iron which are listed in Commission Decision 96/603/EC as materials that make 'no contribution to fire' and are considered as Class A1 Reaction to Fire Performance without the need for additional fire safety testing.

**Independently fire tested to BS EN 1991-1-2.**  
**See results overleaf >>>**



**For more information please contact Lindapter's Technical Support Team:**


**Call: +44 (0)1274 521444 | Email: [support@Lindapter.com](mailto:support@Lindapter.com) | Visit: [www.Lindapter.com](http://www.Lindapter.com)**



# Independently Fire Tested

To provide specifiers with additional confidence, Lindapter commissioned BRE Global to run third party fire tests in accordance with BS EN 1991-1-2 on a range of Decking Fixings installed in concrete backed composite decking profiles. BRE test reports **P116310 Issue 1**, **P123815-1001 Issue 1** and **P123815-1001 Issue 1.1** verify load limits for 60, 90 and 120 minute fire ratings.

 **Independently fire tested to BS EN 1991-1-2**

 **Performance class A1 in accordance with 96/603/EC**

## Fire Rated Load Limits

Temperature resistance, load limits and exposure times are shown below. Tensile loads are absolute values.

Maximum Temperature (°C)			945°C	1006°C	1049°C
Test Duration (minutes)			60 minutes F(60)	90 minutes F(90)	120 minutes F(120)
Product	Threaded Rod (Property Class 8.8)	Product Code	Tensile Load (kN)	Tensile Load (kN)	Tensile Load (kN)
Type MF	M8 / M10	MF08 / MF10	0.780	0.441	TBA**
Type MW	M8 / M10	MW08 / MW10	0.780*	0.441*	TBA**
Type COM	M10	COM10	0.600	0.375	0.300 <b>NEW</b>
Type TR60	M8 / M10	TR6008 / TR6010	0.400	0.250	TBA**
Type AW	M8 / M10	AW08 / AW10	0.400*	0.250*	TBA**
Type SM	M10	SM10	0.750 <b>NEW</b>	0.550 <b>NEW</b>	0.300 <b>NEW</b>
Type VN	M10	VN10	1.000 <b>NEW</b>	0.700* <b>NEW</b>	0.400 <b>NEW</b>

\* Lindapter's calculated values based on BRE Global's testing of similarly designed Lindapter products.

\*\* Testing coming soon.

**For standard safe working loads with factors of safety at ambient temperature please refer to Lindapter's website.**

In addition to the above, Lindapter's range of decking fixings are also considered to satisfy the requirements of performance Class A1 (non-combustible) for the characteristic Reaction to Fire, in accordance with the EC decision 96/603/EC.

Fire test  
set up  
mounted  
above  
furnace



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