



AhmGuard[®]

**Timber doorset with seamless
integral finger protection**

The ideal solution for schools

Eliminating Risk

Thousands of people trap their fingers in doors every year, which can cause serious injury and often results in the need for surgery. This is particularly true in environments where young children are present such as primary schools and nurseries, but also in hospitals, care homes and leisure centres.

Every year 30,000 children trap their fingers in doors, with more than 1,500 of these needing surgery.

The Royal Society for the Prevention of Accidents (RoSPA)

The Necessity for Finger Guards in Spaces Used by Young Children

The Department for Education's Design Brief (November 2020) states that new doors in all areas used by young children should have finger guards. The design brief states;

5.8 Finger Guards

5.8.1 Finger Guards shall be fitted to all doors to all spaces used by Early Year, Key Stage 1 pupils, and throughout Special Schools, except where it is very unlikely for pupils to be present. The need for guards to doors in non-teaching spaces should be assessed with the school.

5.8.2 Where new doors require finger guards, the guard mechanism should be built into the door and frame, with a rounded stile that creates a gap between door and frame that remains constant as the door closes. An applied cover finger guard is only acceptable in refurbishment and only where the door is not being replaced; the cover must not affect the integrity of the doorset in terms of fire or acoustics. The proposed solution shall require minimal maintenance.

AhmGuard Offers an Innovative Integral Design

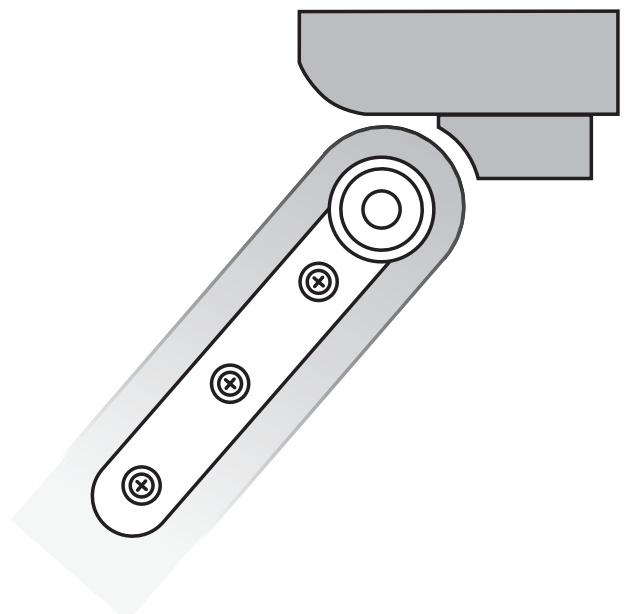
AhmGuard is an innovation in finger protection with its effective, seamless design, incorporating the patent protected finger safe Safehinge pivot system.

The majority of anti-fingertrap solutions are retro-fit and are often unattractive and cumbersome. They work on the premise of covering the gap between the door and frame.

AhmGuard's engineered geometry ensures fingers won't be crushed regardless if the child is standing on the opening or closing side of the door. The smooth curve is an integral part of the timber doorset rather than an add-on feature. AhmGuard's discreet and ergonomic solution forms part of the full doorset and allows the customer to select from a wide choice of timber veneer and high pressure laminate options to achieve the perfect aesthetics for the building.

Disadvantages of Low Cost Plastic Retro-Fit Finger Protection

- They are prone to damage/vandalism and frequently need replacing.
- Their tactile quality leads to children being tempted to tamper with them.
- They add to the opening force of the door, which should remain below 30 newtons.
- They require additional install time.
- They are bulky in design.



Sustainability

AhmGuard is one of the most environmentally friendly finger protection solutions on the market. Made from FSC® certified timber, all timber components in our doorsets come from sustainably managed forests.



Fully Certified

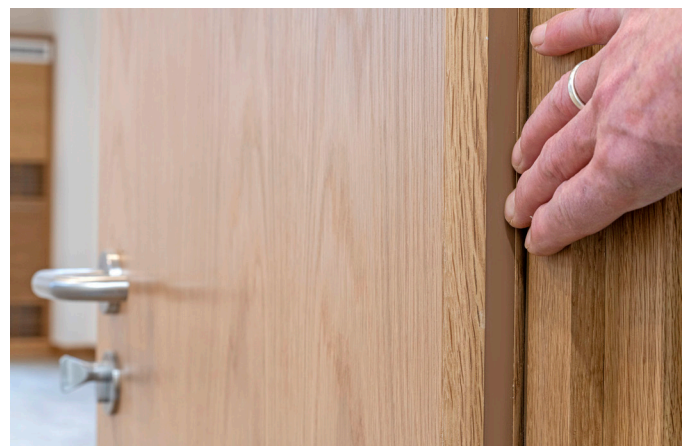
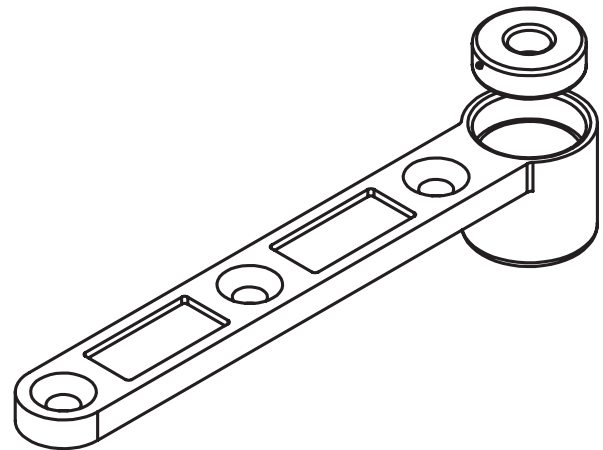
AhmGuard has been tested to the British Standard BS 8613:2017 "Finger Protection Devices for Pedestrian Doors". The solution met the more onerous Class 2 of the standard, which assesses the device's ability to prevent fingers entering the gap between the door and frame when force is used. Class 1 devices do not undergo this part of the testing.

Our doorsets are also certified for fire performance under the BM TRADA Q-Mark scheme.

Door Type Suitability	Single or double doors (single action) Internal doors of 44mm thickness
Fire Rating	FD30 doors
Acoustic Rating	30 RwdB
Test Evidence	BS 8613:2017 - Type A, Class 2 Primary fire tested in accordance with BS 476 pt22
Durability	Cyclic tested to a minimum of 200,000 cycles
Opening Diameter	95°

Features & Benefits

- Aesthetically pleasing profile - perfect for design-led projects.
- Satisfies performance requirements for; anti-finger-trapping, fire, acoustics and sustainability.
- Negates the need for installers to install retro-fit devices on-site, reducing installation time and the risk of compromising compliance.
- Fully compliant with building regulations.
- Durable, integral solution - cannot be forcibly removed.
- Choice of frame material, including; engineered softwood for primed frames or various lacquered hardwoods such as oak ash, maple and walnut.
- Available in the Ahmarra 'Education Range' as a complete doorset with compatible ironmongery factory installed.





ahmarra

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