

## SECTION 061500

### CONCEALED PANEL FASTENERS

#### PART 1 - GENERAL

##### 1.1 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials, and equipment necessary to complete the work of this Section including the following.
  - 1. Concealed panel fasteners and accessories.

##### 1.2 SUBMITTALS

- A. Product Data: Submit for each product indicating materials, dimensions, and profiles. Include installation instructions.

##### 1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 2 years manufacturing similar products.
- B. Installer: Minimum of 2 years installing similar products.

##### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in the manufacturer's original packaging or as repacked by their authorized dealers, with identification labels intact.
- B. Storage and Handling: Products to be stored in a dry location away from heat and direct sunlight.

##### 1.5 WARRANTY

- A. Warranty: Provide manufacturer's standard limited warranty against defects in manufacturing.

#### PART 2 - PRODUCTS

##### 2.1 CONCEALED PANEL FASTENERS

- A. Manufacturer: Buttonfix Limited, Unit A, 1 Britton Street, London EC1M5NW, UK; Tel +44 20 8150 7190; sales@button-fix.com. Or buy direct from:
  - 1. Hafele USA, www.hafele.com.
- B. Button-fix Type 1: Button and fix made from glass-filled nylon. Fastener for connection face-to-face with a 3mm or 8mm gap. Drop-down or sideways engagement. Accessories include button markers and router multijig. Provide screws suitable for the substrates.
- C. Button-fix Type 1 Bonded: Button made from glass-filled nylon; Fix made from ABS. Fastener for connection face-to-face with 2mm or 8mm gap bonding to panels of any thickness, dependent on recess option. Drop-down or sideways engagement. Accessories include button markers, fix-pads, and router multijig. Provide adhesive suitable for bonding fix to substrate and screws suitable for attaching buttons to substrate.

- D. Button-fix Type 1 Flush: Button and fix made from glass-filled nylon. Fastener for connection face-to-face with a 0mm to 8mm gap. Drop-down or sideways engagement. Accessories include button markers and router multijig. Provide screws suitable for the substrates.
- E. Button-fix Type 1 Metal: Button and Fix made from zinc plated zinc alloy. Fastener for mounting fire-retardant panels, panels subject to extreme vibration or shock loading and other high-performance applications. Drop-down or sideways engagement. Accessories include button Markers and router Multijig. Provide screws suitable for the substrates.
- F. Button-fix Type 2: Button and Fix made from nylon. Fastener for connecting panels at 90 degrees or to a frame. Push-on, pull-off engagement. Accessories include fix markers. Provide screws suitable for the substrates. Provide safety cords for critical applications.
- G. Button-fix Type 3: Button made from acetal; Fix made from PBT. Fastener for connecting panels face-to-face with a 3mm or 8mm gap. Push-on, pull-off engagement. Accessories include button markers. Provide screws suitable for the substrates. Provide safety cords for critical applications.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine existing conditions and substrates to determine their suitability for installation. Proceed with installation only when unsatisfactory conditions have been corrected.

#### 3.2 INSTALLATION

- A. Clean substrates of projections and substances detrimental to application.
- B. Install units in accordance with the manufacturer's instructions, independent test results, approved submittals, and in proper relationship to adjacent construction.

#### 3.3 ADJUSTING AND CLEANING

- A. Adjust units for proper position until satisfactory results are obtained.

END OF SECTION