

# THYROS

## Fire-Rated Doorset System

Side-hung 60-minute fire door leaf & frame

FIRE RESISTANCE LEVEL  
**-/60/45**  
Structural / Integrity / Insulation (min)

### OVERVIEW

The Thyros is a single, side-hung fire doorset engineered and fire-tested by Nexdor Systems to achieve a 60-minute fire resistance level. The composite door leaf, pressed-metal frame and full hardware suite have been tested together in accordance with Sections 2 and 7 of AS 1530.4:2014 and assessed against AS 1905.1:2015. The system suits fire-rated stud, masonry and concrete wall constructions.

### 01 DOOR LEAF

#### MAXIMUM LEAF SIZE

Height and width are inversely constrained — reducing width permits greater height.

|        |        |
|--------|--------|
| 1020 W | 1173 W |
| 2760 H | 2500 H |

DIMENSIONS IN MM

#### AVAILABLE FACINGS

- MDF
- Timber veneers
- Laminates up to 1.5 mm
- Zincaneal or stainless-steel sheet

### 02 DOOR FRAME, FIXINGS & BACKFILL

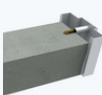
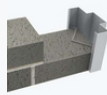
#### FRAME

|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| <b>Type</b>     | Pressed metal, welded & dressed                             |
| <b>Gauge</b>    | 1.4 mm or 1.6 mm mild steel                                 |
| <b>Rebate</b>   | Single or double rebate                                     |
| <b>Backfill</b> | FR plaster and cornice adhesive, or non-shrink grout/mortar |

#### FRAME FIXING METHODS

Five approved fixing systems suit the doorset across concrete, masonry and framed stud-wall constructions. MS Strap is fixed at 400 mm centres; Dynabolt and MS Strap are used in concrete and masonry.

#### FRAME FIXING DETAILS

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| MS Strap<br>STUD WALL                                                               | Dynabolt<br>CONCRETE & MASONRY                                                      | New Gen<br>STUD WALL                                                                | Partition<br>STUD WALL                                                                | Wire Ties<br>STUD WALL                                                                |

### 03 APPROVED WALL CONSTRUCTIONS

#### Fire-rated stud wall

Timber or steel stud, clad with 2 × 13 mm FR plasterboard each side.

#### Block masonry

Solid masonry / blockwork construction.

#### Concrete

Precast or cast in-situ concrete construction.