At a Glance - Key Features

Whilst we strongly recommend reading this document in full, here are some key points when specifying / working with Safehinge ALU:

**** Opening angle - limit to 100° ****
You must restrict the opening angle of Safehinge ALU doors to 100° - 110° maximum. See page 41.

**** Floor plate or L-bracket ****
Which bottom pivot best suits your project?
See page 29 (ALU30) or page 36 (ALU60).

**** Underfloor heating - plan ahead ****
Whether using floor plate or L-bracket, we always recommend supporting and fixing the bottom pivot firmly to the floor. This should be accounted for at design stage, page 29 (ALU30) and page 36 (ALU60).

**** Clearance underneath door - plan ahead ****
Do you need a standard or long stem bearing to achieve your desired clearance under the door? See “Undercuts & Floor Pivot Adjustment” on page 39.

**** Door stops - need to be accurate ****
The finger safety function of Safehinge ALU doorsets means a bit of attention to detail is required when it comes to the door stops. See page 40.

**** Are you using cores, frame materials & intumescent consistent with Safehinge test evidence? ****
Safehinge test evidence was primarily generated with Halspan/Blankfort cores and Lorient/ISL intumescent seals. Full details contained within Technical Manual.

**** Frame head - size ****
Safehinge ALU requires a pivot mechanism to be machined into the frame head. This results in a frame head that is thicker than typical doorsets. See page 24 onwards for details.

**** Concentric ****
The pivot centre on the door and the rounded aluminium edge profile must always be concentric. Follow mortice / rebate details on page 27 (ALU30) and page 34 (ALU60) to ensure this.

**** Particleboard core ****
If you are planning to use particleboard core, please also ensure you use a T-section lipping to ensure mechanical stability and a firm fixing for the pivot straps. See page 26 (ALU30) and page 33 (ALU60).