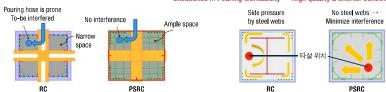


Characteristics and Advantages

RC:

Excellence in Pouring workability — High quality & shorter construction period



Advantages	Advantages	Advantages over SRC
Share all the advantages of PRC	Ensure quality and reduce construction period by prefabricating all members Self-standing during construction	· Cut back more than 20% of construction cost
Distribution structural steel to the most outer part of column	Higher allowable load during construction compare to PRC Ease in securing consistency in thickness of covering concrete during form installation	Higher flexural strength than SRC → Possible to reduce the volume and cross sectional area of steel frame
Apply L-shape angle to the edge of column section	Excellent self-standing and erection than PRC → ease in securing erection of mini column of which width of cross-section of less than 700mm Easy bolt connect to every joint Advantageous to apply modular design, where multiple number of mini columns are placed in parallel → effective for forming mega column	
Secure enough room at the center of column section	· Minimize the penetration of concrete hose by complementary hoop	No web interference of structural steel during concrete pouring Minimize side pressure.

Optimal distribution of steel member \rightarrow Minimize steel member cost

SRC steel (Cross H steel) Cross I steel Sectional steel PSRC steel frame

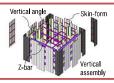
Economics

Comparing with RC & SRC structure, F-PSRC Column can reduce quantity of steel members about 30% and more. Also, it can reduce construction cost by reduction of construction

On Industrial side, F-PSRC can contribute to building industry and job creation. Also, it can contribute new material industrial by using high strength/performance material.

Product Specification / Standard

Form—Prefabricated Steel Reinforced Concrete



- 1. Rolled steels for general structure(D 3503): G275, G315, G410
- 2. Rolled steels for welded structures (D 3515): G355, G420, G460
- 3. Rolled steels for building structure (D 3861): G355
- 4. Hot-rolled mild steel plates, sheets and strip (D 3501): SPHC

Applications





