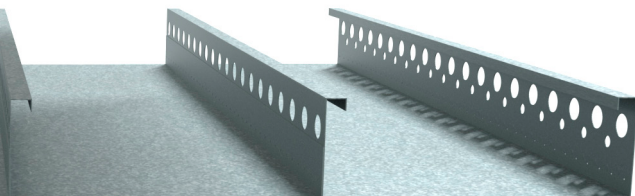
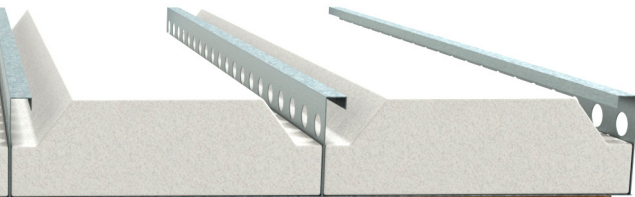


Mixto Composite

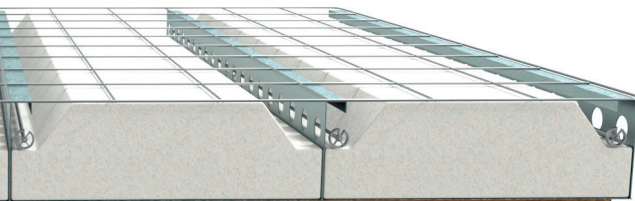
STRUCTURAL TRAYS 1
Cold formed steel galvanized sheet



LIGHTENING 2
Expanded polystyrene EPS formwork blocks
TRANSPORTATION PROTECTION + QUALITY FINISH 3
Wooden OSB/3 bottom plate



RESISTANCE 4
Rib reinforcement and distribution reinforcement
in the compression layer



SOLIDITY 5
Cast-in-place ribs and cast-in-place compression layer (topping)



SES

Steel Embed System

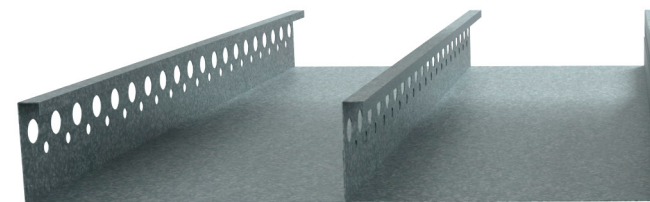
by Joan Francesc García Beltrán

**«Lo más complejo
es alcanzar lo sencillo»**
“The hardest is to reach simplicity”

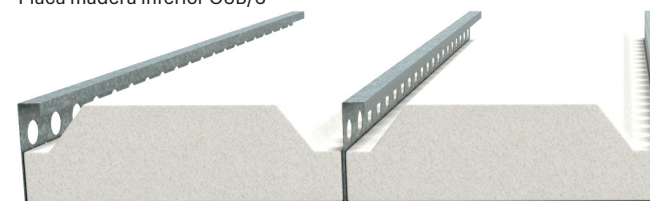
SES

Steel Embed System

1 BANDEJAS ESTRUCTURALES
Chapa metálica galvanizada conformada en frío



2 ALIGERAMIENTO
Casetones poliestireno expandido EPS
3 PROTECCIÓN AL TRANSPORTE + ACABADO DE ALTA CALIDAD
Placa madera inferior OSB/3

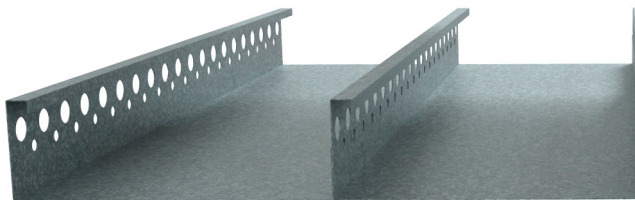


4 PROTECCIÓN DE USO
Placa madera superior OSB/3



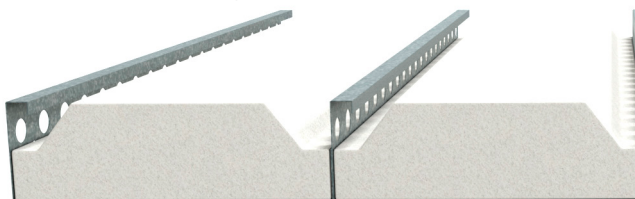


- 1** BANDEJAS ESTRUCTURALES
Chapa metálica galvanizada conformada en frío

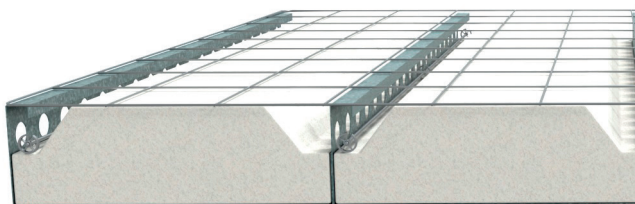


- 2** ALIGERAMIENTO
Casetones poliestireno expandido EPS

- 3** PROTECCIÓN AL TRANSPORTE + ACABADO DE ALTA CALIDAD
Placa madera inferior OSB/3



- 4** RESISTENCIA
Armado de nervios y armado de capa de compresión



- 5** SOLIDEZ
Hormigonado de nervios y capa de compresión *in situ*

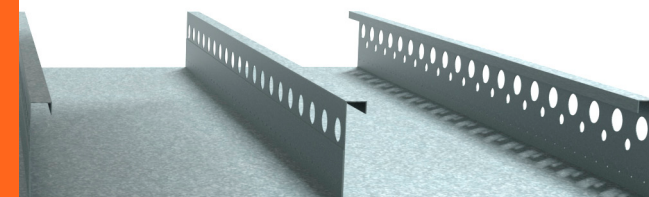


Componentes	Placa OSB/3 Chapa de acero galvanizada conformada en frío Poliestireno expandido EPS Hormigón en el tipo mixto / placa OSB/3 en el tipo seco
Peso	~240kg/m ² para luces de 7m y sobrecargas de vivienda
Rendimiento	580 dan/m ² sobrecarga estática característica para 7m de luz
Incendio	REI-90' + RE-120'
Emisiones	~95kg CO ₂ /m ²
PEM	~145€/m ²
Ejecución	~130m ² /día

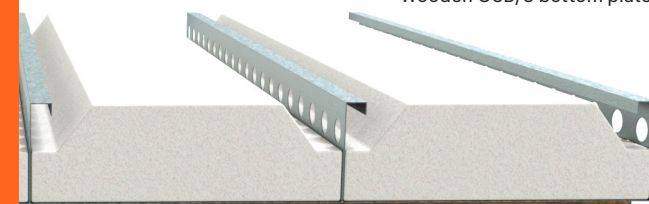
**Simplicity
Lightness
Strength
Quality
Sustainability
Profitability
Precision**

Componentes	Wooden OSB/3 plate Cold formed steel galvanized sheet Expanded polystyrene EPS blocks Concrete (Composite) / Wooden OSB/3 upper plate (Dry)
Self weight	~240kg/m ² for 7m span length and residential live loads
Performance	580 dan/m ² characteristic live load for 7m span length
Fire	REI-90' + RE-120'
Emissions	~95kg CO ₂ /m ²
Cost	~145€/m ²
Covering	~130m ² /day

STRUCTURAL TRAYS 1
Cold formed steel galvanized sheet



LIGHTENING 2
Expanded polystyrene EPS formwork blocks
TRANSPORTATION PROTECTION + QUALITY FINISH 3
Wooden OSB/3 bottom plate



LIVE LOAD PROTECTION 4
Wooden OSB/3 upper plate

