

USG STRUCTURAL PANEL CONCRETE SUBFLOOR ATTAINABLE SOUND RATINGS

UL H501™ – 2-HOUR
FIRE RATED DESIGN

USG Structural Panel Concrete Subfloor

steel joist

3.5" fiberglass insulation

steel beam

clip angle

wire-netting

steel joist

steel beam

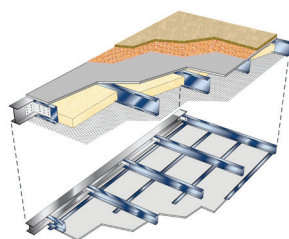
furring channel

clip angle

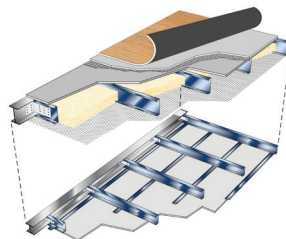
USG Sheetrock® Brand
EcoSmart Firecode® X

steel plate

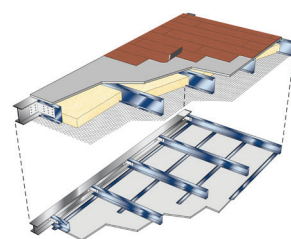
SAMPLE LAYOUTS



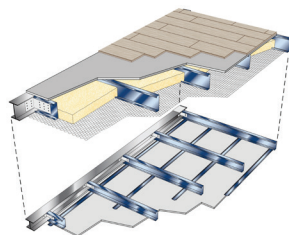
Carpet & Pad



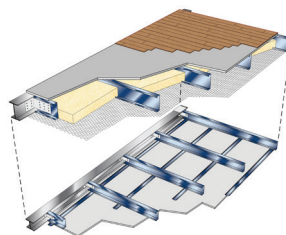
Sheet Vinyl



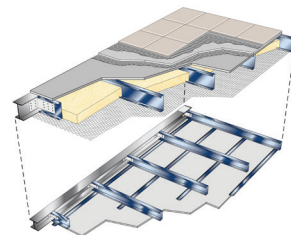
Vinyl Plank (LVT)



Laminate Wood Floor



Wood Floor



Ceramic Tile

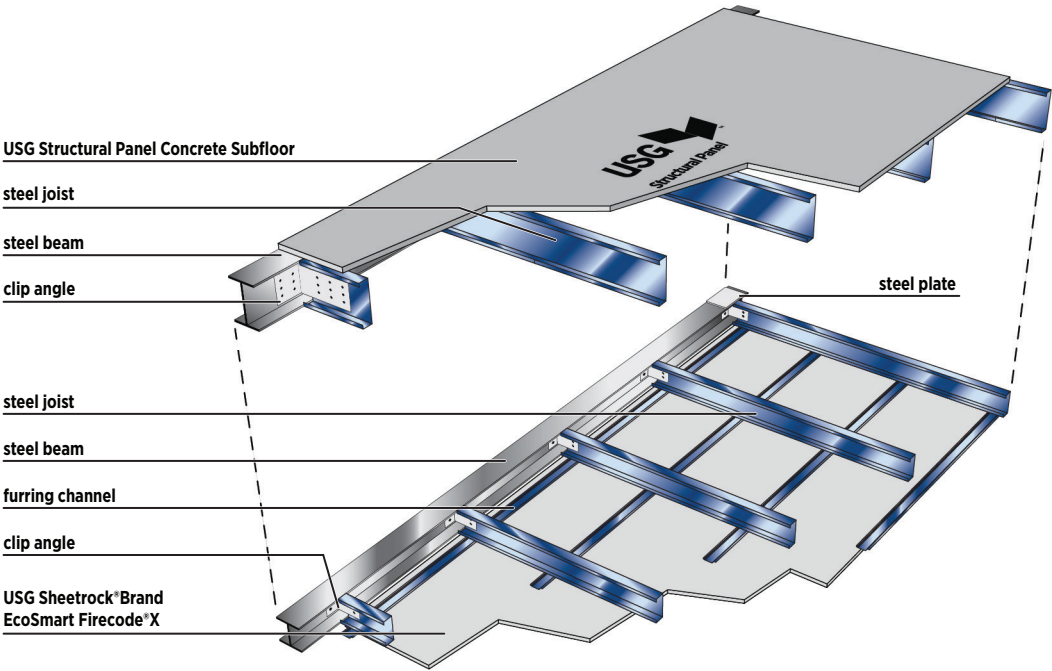
FLOOR FINISH

2-Hour Rated System	STC	IIC
Carpet & Pad	56	75
Sheet Vinyl	56	54
Padded Sheet Vinyl	56	55
Vinyl Plank (LVT)	57	54
Laminate Wood Floor	57	55
1/2" Wood Floor	57	52
Ceramic Tiles (12"x12")	59	55

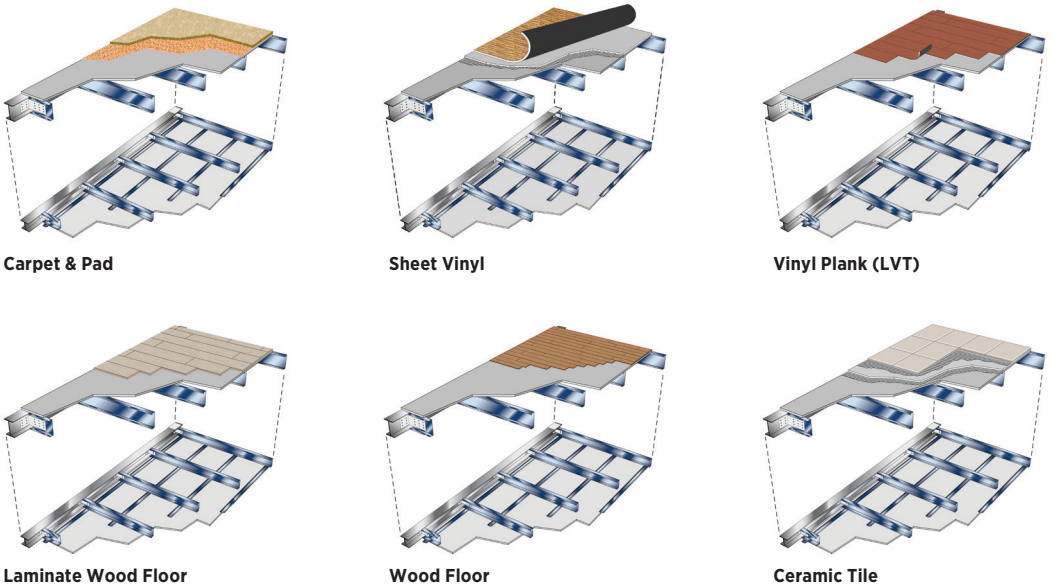
NOTES:

1. The attained sound values are with Sound Isolation Mats, Double layer of Sheetrock® on the ceiling, or both
2. Ceiling constructed using 5/8" thick USG Sheetrock® Brand EcoSmart Panels Firecode® X (ULIX) or Type C USG Sheetrock® Brand Panels

UL H501™ - 1-HOUR
FIRE RATED DESIGN



SAMPLE LAYOUTS



FLOOR FINISH

1-Hour Rated System	STC	IIC
Carpet & Pad	52	62
Sheet Vinyl	55	51
Padded Sheet Vinyl	55	56
Vinyl Plank (LVT)	55	51
Laminate (wood)	54	50
1/2" Wood Floor	55	53
Ceramic Tiles (12"x12")	57	52

Note:
The acoustical ratings are achieved via a combination of either sound mats, underlayments and/or a single or double layer of USG Sheetrock® Brand Gypsum panels as the assembly ceiling. Contact your local USG Sales Representative for the appropriate description for each system

- NOTES:
1. H501 for 1-hour does not include insulation in the joist cavity
 2. The attained sound values are with Sound Isolation Mats, Double layer of Sheetrock on the ceiling, or both
 3. Ceiling constructed using 5/8" thick USG Sheetrock® Brand EcoSmart Panels Firecode® X (ULIX) or Type C USG Sheetrock® Brand Panels

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**MSRP based upon full truckload
delivered to jobsite:
Subfloor: \$4.50/sf**

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PRODUCT INFORMATION

See usg.com/structural for the most
up-to-date product information

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consequential damages, directly or
indirectly sustained, nor for any loss
caused by application of these goods
not in accordance with current printed

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intended use. Our liability is expressly
limited to replacement of defective
goods. Any claim shall be deemed
waived unless made in writing to us
within thirty (30) days from date it was
or reasonably should have been
discovered.

SAFETY FIRST!

Follow good safety/industrial hygiene
practices during installation. Wear
appropriate personal protective
equipment. Read SDS and literature
before specification and installation.