

# GYPSOTECH® DUPLEX dB-LIGNUM

## TECHNICAL DATA SHEET

Coupled panel



### Type

Special plasterboard (type DEFH1IR as per EN 520) with a 10 mm thick recycled polyurethane panel glued to the back and lined on both sides with non-woven fabric so as to create compact solutions with excellent acoustic performance.

### Composition

Layer of gypsum (calcium sulphate dihydrate  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) with specific additives, sandwiched between two sheets of special high-strength cardboard and coupled to a recycled polyurethane panel.

### Mixing

The panels are installed by gluing, applying dabs of GYPSOMAF adhesive mortar spaced 30/40 cm part, or using metallic framework.

### Use

Used to make wall linings and false ceilings.

**For correct product application, consultation of the Technical Handbook is highly recommended.**

TECHNICAL FEATURES	DUPLEX dB-LIGNUM (GypsoLIGNUM plasterboard)
DOP Code (CPR 305/2011)	dB-LIG-CPR-16-04
Type	DEFH1IR
Total thickness plasterboard + insulation (mm)	22.5
Width (mm)	1,200
Length (mm)	2,000
Weight (kg/m <sup>2</sup> )	14
Flexural breaking load - longitudinal direction EN 520 (N)	≥ 725
Flexural breaking load - longitudinal direction NF 081 (N)	≥ 600
Flexural breaking load - longitudinal direction - real value* (N)	≥ 830
Flexural breaking load - trasverse direction EN 520(N)	≥ 300
Flexural breaking load - trasverse direction NF 081 (N)	≥ 210
Flexural breaking load - trasverse direction - real value* (N)	≥ 420
Reaction to fire (EN 13501-1)	B-s1,d0
Thermal conductivity $\lambda$ (W/mK)	0.07
Thermal resistance (m <sup>2</sup> K/W)	0.567
Water vapour resistance factor ( $\mu$ )	14
Surface water absorption (g/m <sup>2</sup> )	≤ 180
Total water absorption (%)	≤ 5
Surface hardness ( $\emptyset$ mark mm)	≤ 15
Plasterboard SL deformation (mm)	≤ 2.4
Plasterboard ST deformation (mm)	≤ 1.2
(*) Average value referred to production data of plasterboard without polyurethane panel	

### Product standard

Plasterboard = EN 520  
Gypsotech Duplex dB-LIGNUM = EN 14190

### Edges of the plasterboard

BA = Tapered Edge

The data contained in this document refer to tests and procedures contemplated by standard EN 520 and by regulation NF 081 for certification (when contemplated). The user must verify the suitability of the product to the foreseen use, taking every responsibility resulting from the use. Fassa S.r.l. reserves the right to make any kind of changes without notice.