

# SPECIFICATIONS FOR SOLID WALLS

## GENERAL

The walls consist of solid Promonta gypsum blocks having two smooth surfaces. Each block is moulded with two, tongued sides (one short and one long) and two grooved sides, to enable them to be fitted perfectly together during assembly.

## CHARACTERISTICS

Dimensions : 500 x 666 mm (3 blocks per m<sup>2</sup>) or 500 x 450 mm

(lightweight and small sized blocks)

Thickness : 70, 80 and 100 mm

Density - normal blocks: +/- 950 kg/m<sup>3</sup>

Density - heavy blocks: +/- 1,250 kg/m<sup>3</sup>

Pressure strength: minimum 5 N/mm<sup>2</sup> for all types of blocks

Fire resistance R<sub>f</sub>: + 3 hours for 70 mm and + 4 hours for 100 mm

Acoustic insulation: 100 mm Normal Iso R717 = 38 dB

NBN S011-400 class IIIb

## TRANSPORT AND STORAGE

The gypsum blocks must be protected from water and moisture during transport and storage.

The blocks will be supplied in plastic or shrinkwrapped.

Care should be taken when handling the blocks to avoid scratching faces and chipping edges.

## TYPES

Normal blocks - density +/- 950 kg/m<sup>3</sup> - colour white

Heavy blocks - density +/- 1,250 kg/m<sup>3</sup> - colour rose-like

Water repellent (Hydro) blocks - density +/- 950 kg/m<sup>3</sup> - colour bluish

The heavy blocks have noise-dampening properties.

The hydro blocks are used for wet areas such as showers, cellars, etc.

They have a very low absorption capacity.

When immersed completely in water during 2 hours

the weight of the blocks will increase by maximum 5%.

Special acoustic walls type Promaggló: composite wall with a special acoustic insulation and peripheral acoustic strips.

A class I according to NBN S01-400 standard could be obtained.

## TECHNICAL SPECIFICATIONS

<b>Promonta Normal: colour white</b>					
Thickness	50 mm	60 mm	70 mm	80 mm	100 mm
Application	Front wall		Partition wall		
Weight per block in kg	± 16	± 19	± 22	± 26	± 32
Density	± 950 kg/m <sup>3</sup>				
Minimum compressive strength	5 N/mm <sup>2</sup>				
Sizes	667 x 501 mm				
<b>Characteristics of Promonta walls</b>					
Weight Kg/m <sup>2</sup>	± 50	± 58	± 68	± 80	± 98
Fire resistance Rf - Lab. University of Gent			3 hours		4 hours
ACOUSTIC INSULATION	ISO R717				42 dB III b
LABO WTCB	NBN S01 - 400				
Average use of adhesive kg/m <sup>2</sup>	1	1.2	1.4	1.5	1.8

<b>Promonta loured : rose-like</b>		
Thickness	70 mm	100 mm
Application	Partition wall	
Weight per block in kg	± 28	± 34
Density	± 1250 kg/m <sup>3</sup>	
Minimum compressive strength	5 N/mm <sup>2</sup>	
Sizes	667 x 501 mm	450 x 500 mm
<b>Characteristics of Promonta walls</b>		
Weight Kg/m <sup>2</sup>	± 87	± 125
Fire resistance Rf - Lab. University of Gent	3 hours	4 hours
Average use of adhesive kg/m <sup>2</sup>	1.4	1.8