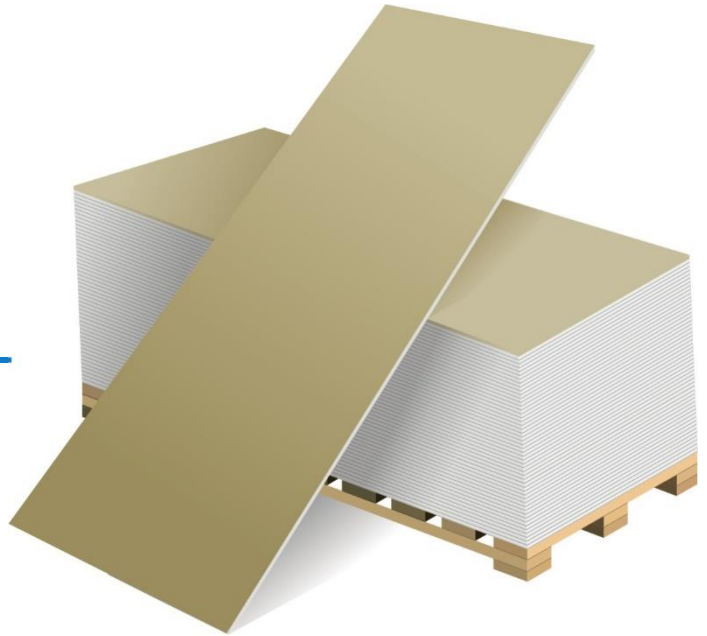


# PLASTERBOARDS TYPE A

## EN 520



Product description  
Plasterboards  
Board type A - EN 520.

Dimensions, plasterboard thickness 12,5mm:  
2000x1200mm  
2500x1200mm  
2600x1200mm  
3000x1200mm

Storage conditions:  
On wooden blocks or pallets.

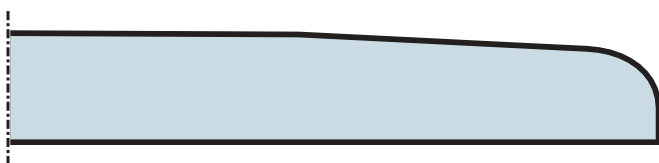
Application:  
Wall partitions  
Interior dry-lining  
Hung ceiling

"VOLMA" plasterboards are produced according to EN 520. They are a sheet product consisting of a gypsum core, pasted over from both sides with sturdy cardboard. The longitudinal edges are seamed with cardboard. Cross edges - just cut.

Depending on the properties and application of plates they are divided into the following types:

- standard, used for interior decoration of buildings and premises with dry and normal humidity conditions.
- water-resistant, with low water absorption and increased resistance to moisture penetration, used mainly for interior decoration of buildings and premises with dry, normal and humidity conditions.

Shape of the longitudinal edge,  
seamed with cardboard.



Shape of the cross edge,  
just cut.



Tolerance in size according to EN 520: Width +0/-4mm, Length +0/-5mm, Thickness +0,5/-0,5mm.

Regulatory document	EN 520	Plasterboards type A	
Material class		A2-s1, d0	
Density	appr. $\geq 700$	kg/m <sup>3</sup>	
Dry weight	$\geq 8,5$	kg/m <sup>2</sup>	
Tensile strength	EN 520	$\geq 610$ (perpendicular to the direction of production) $\geq 210$ (parallel to the direction of production)	N
Flexural strength		$\geq 6,8$ (perpendicular to the direction of production) $\geq 2,4$ (parallel to the direction of production)	N/mm <sup>2</sup>
Elasticity modulus (E-modulus)		$\geq 2800$ (perpendicular to the direction of production) $\geq 2200$ (parallel to the direction of production)	N/mm <sup>2</sup>
Surface hardness	Brinell	appr. 10-18	N/mm <sup>2</sup>
Seam putty clutch	EN 13963	$> 0,25$	N/mm <sup>2</sup>
Thermal conductivity $\lambda$	EN 12664	0,19	(Watt /m K)
Specific thermal capacity c	at 20 °C	0,96	kJ/(kg K)
Coefficient of thermal expansion	at 60 % air humidity	appr. 0,013-0,020	mm/m K
Water vapour permeability	EN ISO 12572	7	---
Water absorption (general) for 2 h. under water storage		30-50	% by weight
Drying time after 2 h. of storage under water		appr. 70	hour
Moisture absorption (depending on the room climate)	at 20 °C	40 % air humidity: 0,3-0,6 60 % air humidity: 0,6-1,0 80 % air humidity: 1,0-2,0	% by weight
Change of length during 30% change of air humidity	at 20 °C	0,015	%
Crystal water content in the core		appr. 16-20	%
Thermal effect border		50	°C
pH-value		6-9	---
Air permeance	EN 520	$1,4 \cdot 10^{-6}$	m <sup>3</sup> /(m <sup>2</sup> with Pa)
Metal plasterboard profile	EN 14195	DIN 18182-1: 2015-11	

