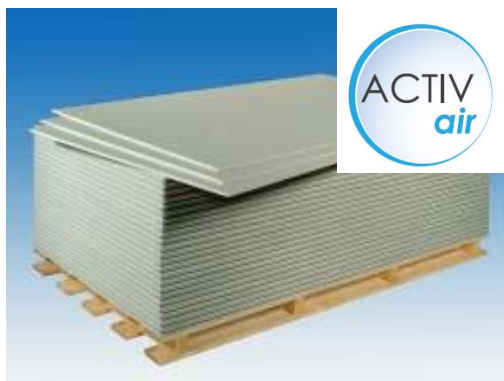


## Rigidur H 10 Activ'Air



### Characteristics:

The Rigidur H 10 Activ'Air contains gypsum, paper fibres, mineral additives and a special air cleaning substance that converts pollutants in the air into inert components

### Application:

Virtually no other drywall construction material is as stable as Rigidur. Public buildings in particular require extremely high levels of stability. An ideal material for rigid drywall construction with excellent properties in sound absorption and fire resistance.

### Installation:

According to Rigidur installation guideline

### Technical specifications

Product name	Rigidur H 10 Activ'Air
Classification according EN 15283-2	GF-C1-I-W2
Reaction to fire rating according EN 13501-1	A1
Board thickness [mm]	10
Tolerance in board thickness [mm]	± 0,2
Density approx. [kg/m <sup>3</sup> ]	1200
Area weight approx. [kg/m <sup>2</sup> ]	12
Maximum tolerance in length [mm]	-1 / +0
Maximum tolerance in width [mm]	-1 / +0
Maximum tolerance in diagonal [mm]	2
Flexural strength according EN 15283-2 [N/mm <sup>2</sup> ]	5,5
Modulus of elasticity [N/mm <sup>2</sup> ]	3600
Surface hardness according to Brinell [N/mm <sup>2</sup> ]	35
Dilatation due to changing of relative humidity by 30% (20 °C) [%]	0,045
Thermal conductivity $\lambda$ according EN 12667 [W/(mK)]	0,202
Thermal dilatation [mm/(mK)]	0,015
Stable moisture content at 20°C, 65% relative humidity approx. [%]	1
Water vapour permeability $\mu$	19
Water vapour diffusion-equivalent air layer thickness $S_d$ [m]	0,19
Surface water absorption after 30 minutes [g/m <sup>2</sup> ]	≤ 1500
Thickness dilatation after 24 hours immersion in water [%]	< 2
Content of chemical bounded water [%]	≥ 15

The information in this publication is based on our current technical knowledge and experience. Due to the wide range of factors that may affect the processing and use of our products, it does not absolve users from responsibility for performing their own inspections and tests, and serves only as a general guideline. No legally binding guarantee of specific properties or suitability for a concrete purpose may be inferred. Users shall be responsible for ensuring that any trademarks and existing laws and provisions are observed at all times. We reserve the right to make changes in the interests of technical progress.