

## Product Data



### BATICHANVRE

A binder based on St. Astier NHL 5. Formulated for the production of hemp mortars. Some hemp construction requires stronger mortars than what is achievable with only NHL. This is particularly true in thick applications such as hemp concrete or insulating renders. The addition of cement (about 30% by mass) provides the required mechanical performance of these types of mortars.

	POWDER	Test std.	MORTAR (1 : 3 with ISO 678 sands)	Test std.
Dry Density	700 g.l. +/-10%	BS459	1350-1450 g.l	EN1015-11 EN 1015-6
Whiteness		NFX08.012	Y 50 - 60	
Workability (depending on water addition)			210mm +/- 10%	EN1015-3
Water retention			90 – 94%	ASTM C 811
Compressive strength 28 days			10 N/mm <sup>2</sup>	EN/BS 998.1
Thermal conductivity			0.540 W/m.K normal mortars 0.11-0.13 W/m.K in hemp concrete	EN 1745
Vapour permeability			1,60.10 <sup>-9</sup> kg/m <sup>2</sup> sPa (0.77g x m <sup>2</sup> x h x mmHg)	EN/BS998.1
Elasticity moduli			7000 – 9000 MPa	CSTB MONOCOUCHE
Fire resistance			Class 1	EN/BS 998.1

**Packing** : 35 kg bags on pallets of 40 bags (1.4T).

**Shelf life**: 12 months if kept dry.

**Storage**: in dry store. Reseal open bags a.s.a.p

Mixing guide	BATICHANVRE	HEMP (litres)	WATER (litres)	SAND (0-5mm)
Hemp concrete and Hemp walls	1 bag (40 litres)	100	40 litres	5 litres if required
<i>The above mix will cover a layer of 1 m<sup>2</sup> with a thickness of 100mm</i>				
Hemp renders (30 to 80 mm)	1.5 bag (60 litres)	100	55/60	15 litres
<i>The above mix will make a 1 m<sup>2</sup>coat with a thickness of 50mm.</i>				

Do not work in temperatures below 5°C or above 30°C. Protect fresh mortars from frost, rain or strong direct sun.

**Mixing and Application:** Please refer to "Hemp Construction" on our website:  
[www.stastier.co.uk/hemp-construction.htm](http://www.stastier.co.uk/hemp-construction.htm)

*The above details are given for general information purposes and do not constitute a specification.*



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