

TESTS TO MATERIALS AND CONSTRUCTION SYSTEM MADE WITH CRUPE SYSTEMS INTERNATIONAL MORTARS (Certificates and reports of support of tests)

Date	Test	Report number	Agency/or	Countr	Tested material	Test type	Local Standard used	Reference International Standard	Duration	Date	Results	Units	Name
June, 05 - 2009	Flexure strength	1/J063/001/003	CEMOSA	Spain	MYCA 71	Samples	UNE-EN 13892-1	UNE-EN 13892-1		14	1,5	N/mm ²	
June, 05 - 2009	Flexure strength	1/J063/001/003	CEMOSA	Spain	MYCA 71	Samples	UNE-EN 13892-1	UNE-EN 13892-1		28	2,6	N/mm ²	
June, 05 - 2009	Compressive strength	1/J063/001/003	CEMOSA	Spain	MYCA 71	Samples	UNE-EN 13892-1	UNE-EN 13892-1		14	5,3	N/mm ²	
June, 05 - 2009	Compressive strength	1/J063/001/003	CEMOSA	Spain	MYCA 71	Samples	UNE-EN 13892-1	UNE-EN 13892-1		28	8,2	N/mm ²	
June, 05 - 2009	Water absorption by capilarity	1/J063/001/003-2	CEMOSA	Spain	MYCA 71	Samples	UNE-EN 1015-18:2003	UNE-EN 1015-18:2003	90 min	29	1,1	kg/m ² x min ^{0.5}	
June, 05 - 2009	Water vapour permeability	1/J063/001/003-2	CEMOSA	Spain	MYCA 71	Samples	UNE-EN 1015-19:1999	UNE-EN 1015-19:1999	90 min	29	1,09X10 ⁻⁹	kg/m ² s Pa	
June, 05 - 2009	Flexure strength	1/J063/001/004	CEMOSA	Spain	MYCA	Samples	UNE-EN 13279-2	UNE-EN 13279-2		7	3,2	N/mm ²	
June, 05 - 2009	Flexure strength	1/J063/001/004	CEMOSA	Spain	MYCA	Samples	UNE-EN 13279-2	UNE-EN 13279-2		28	3,5	N/mm ²	
June, 05 - 2009	Compressive strength	1/J063/001/004	CEMOSA	Spain	MYCA	Samples	UNE-EN 13279-2	UNE-EN 13279-2		7	9,4	N/mm ²	
June, 05 - 2009	Compressive strength	1/J063/001/004	CEMOSA	Spain	MYCA	Samples	UNE-EN 13279-2	UNE-EN 13279-2		28	13,1	N/mm ²	
June, 05 - 2009	Bonding	1/J063/001/004	CEMOSA	Spain	MYCA over clay brick	Samples	UNE-EN 13279-2	UNE-EN 13279-2		N.A.	0,43	N/mm ²	
June, 05 - 2009	Bonding	1/J063/001/004	CEMOSA	Spain	MYCA over concrete	Samples	UNE-EN 13279-2	UNE-EN 13279-2		N.A.	0,10	N/mm ²	
June, 05 - 2009	Water absorption by capilarity	1/J063/001/004-2	CEMOSA	Spain	MYCA	Samples	UNE-EN 1015-18:2003	UNE-EN 1015-18:2003	90 min	29	0,3	kg/m ² x min ^{0.5}	
June, 05 - 2009	Water absorption by capilarity	1/J063/001/004-2	CEMOSA	Spain	MYCA	Samples	UNE-EN 1015-19:1999	UNE-EN 1015-19:1999	90 min	29	1,09X10 ⁻⁹	kg/m ² s Pa	
June, 05 - 2009	Flexure strength	1/J063/001/002	CEMOSA	Spain	MYC	Samples	UNE-EN 13279-2	UNE-EN 13279-2		7	6,4	N/mm ²	
June, 05 - 2009	Flexure strength	1/J063/001/002	CEMOSA	Spain	MYC	Samples	UNE-EN 13279-2	UNE-EN 13279-2		28	7,6	N/mm ²	
June, 05 - 2009	Compressive strength	1/J063/001/002	CEMOSA	Spain	MYC	Samples	UNE-EN 13279-2	UNE-EN 13279-2		7	21	N/mm ²	
June, 05 - 2009	Compressive strength	1/J063/001/002	CEMOSA	Spain	MYC	Samples	UNE-EN 13279-2	UNE-EN 13279-2		28	28	N/mm ²	
June, 05 - 2009	Bonding	1/J063/001/002	CEMOSA	Spain	MYCA over clay brick	Samples	UNE-EN 13279-2	UNE-EN 13279-2		N.A.	0,48	N/mm ²	
June, 05 - 2009	Bonding	1/J063/001/002	CEMOSA	Spain	MYCA over concrete	Samples	UNE-EN 13279-2	UNE-EN 13279-2		N.A.	0,11	N/mm ²	
June, 05 - 2009	Water absorption by capilarity	1/J063/001/002-2	CEMOSA	Spain	MYC	Samples	UNE-EN 1015-18:2003	UNE-EN 1015-18:2003	90 min	29	0,3	kg/m ² x min ^{0.5}	
June, 05 - 2009	Water absorption by capilarity	1/J063/001/004-2	CEMOSA	Spain	INSULTERM 600	Samples	UNE-EN 1015-18:2003	UNE-EN 1015-18:2003	90 min	29	0,6	kg/m ² x min ^{0.5}	
June, 05 - 2009	Water vapour permeability	1/J063/001/004-2	CEMOSA	Spain	INSULTERM 600	Samples	UNE-EN 1015-19:1999	UNE-EN 1015-19:1999	90 min	29	1,09X10 ⁻⁹	kg/m ² s Pa	

June, 05 - 2009	Flexure strength	1/J063/001/010 CEMOSA	Spain	INSULTERM 600	Samples	UNE-EN 13279-2	UNE-EN 13279-2	7	1,2 N/mm ²		
June, 05 - 2009	Compressive strength	1/J063/001/010 CEMOSA	Spain	INSULTERM 600	Samples	UNE-EN 13279-2	UNE-EN 13279-2	7	2,4 N/mm ²		
June, 05 - 2009	Water absorption by capilarity	1/J063/001/005-2 CEMOSA	Spain	INSULTERM 500	Samples	UNE-EN 1015-18:2003	UNE-EN 1015-18:2003	90 min	29	0,6 kg/m ² x min ^{0.5}	
June, 05 - 2009	Water vapour permeability	1/J063/001/005-2 CEMOSA	Spain	INSULTERM 500	Samples	UNE-EN 1015-19:1999	UNE-EN 1015-19:1999	90 min	29	2,62X10 ⁻¹⁰ kg/m ² s Pa	
June, 05 - 2009	Flexure strength	1/J063/001/005-2 CEMOSA	Spain	INSULTERM 500	Samples	UNE-EN 13279-2	UNE-EN 13279-2	7	1 N/mm ²		
June, 05 - 2009	Compressive strength	1/J063/001/005-2 CEMOSA	Spain	INSULTERM 500	Samples	UNE-EN 13279-2	UNE-EN 13279-2	7	2,2 N/mm ²		
June, 30 - 2009	Acoustic insulation	CTA 237/09/AER ENAC	Spain	Wall: steel, Insulterm and Myca 63	Samples	UNE EN ISO 140-3:1995	UNE EN ISO 140-3:1995	N.A.	39	dBa	
June, 30 - 2009	Acoustic insulation	CTA 238/09/AER ENAC	Spain	Wall: Steel, Insulterm y Myca 63 + mineral woolglass 40 mm in middle	Samples	UNE EN ISO 140-3:1995	UNE EN ISO 140-3:1995	N.A.	61,3	dBa	
Dec, 11-2009	Fire resistance	1873T09-5 AFITI	Spain	Wall: steel, Insulterm and Myca 63	Samples	UNE-EN 13501-2:2009	UNE-EN 13501-2:2009	N.A.	241 minutos	F-240	
Dec, 11-2009	Fire resistance	1873T09-4 AFITI	Spain	Wall: steel, Insulterm and Myca 63	Samples	UNE-EN 13501-2:2009	UNE-EN 13501-2:2009	N.A.	180	F-180	
Nov, 04 - 2011	Fire resistance	988602 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Samples	NCh 935/1. of97	ISO 834/80, ASTM E119/80, UNE 23093-81, NFPA 251-78, DIN 4102-77	1 day	90	180 minutes	F-180
Dec, 02-2011	Vertical compression loads	976803 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Samples	NCh 801.Eof2003	ASTM E72-98	1 day	60	30,09 Tons	P
Dec, 02-2011	Horizontal loads	976803 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Samples	NCh802. Eof 71	ASTM E72-98	1 day	60	5,375 Tons	V
Dec, 02-2011	Flexure loads	976803 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Samples	NCh803. Eof 2003	ASTM E72-98	1 day	60	6,02 Tons	F
Dec, 02-2011	Impacts Loads	976803 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Samples	NCh804	ASTM E695-97	1 day	60	No damage	I
Dec, 29-2011	Compressive strength	984270 Dictuc	Chile	Insulterm	Samples	NCh 1037.of77	ASTM C39-722	21 28 35 42 56 90	0,6 MPa 0,8 MPa 0,9 MPa 0,92 MPa 0,97 MPa 0,77 MPa	fc fc fc fc fc fc	
Dec, 29-2011	Thermal Conductivity	988362 Dictuc	Chile	Insulterm 600	Samples	NCh 851. of 2008	ASTM C236	4 days	104	0,138 W/m K	λ
Dec, 29-2011	Compressive strength	984271 Dictuc	Chile	Insulterm + Myca in core samples from wall	Samples	NCh1171/1. of 2001, NCh: ASTM C42/C42 M: 1999		90	1,87 MPa		
Dec, 29-2011	Water vapour permeability	995627 Dictuc	Chile	Myca 63	Samples	NCh 2457.of 2001	DIN 52615:1987, ASTM D1653-93, ASTM E96-95	84	1,22X10 ⁻⁵ g / m h mmHg		
Dec, 29-2011	Thermal Conductivity	988363 Dictuc	Chile	Myca 63	Samples	NCh 851. of 2008	ASTM C236	3 days	98	0,349 W/ m K	
Dec, 29-2011	Elasticity modulus	990501 Dictuc	Chile	Insulterm	Samples	ASTM C469 /C469 M-10	ASTM C469 /C469 M-10	1 day	100	1,35 GPa	
Dec, 29-2011	Water vapour permeability	995626 Dictuc	Chile	Insulterm 600	Samples	NCh 2457.of 2001	DIN 52615:1987, ASTM D1653-93, ASTM E96-95	84	6,29x10 ⁻³ g / m h mmHg		
Jan, 09 - 2012	Thermal transmissivity coefficient	998913 Dictuc	Chile	Insulterm+Myca in wall	Theorical :	NCh 853. of 2007	ASTM C236	---	---	0,59 W/m ² °C	U
Jan, 09 - 2012	Condensation due to humidity	998914 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Theorical :	NCh853.of2007	ASTM C236	---	---	No surface condensation	
May, 31 -2012	Acoustic insulation	1028170 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Real wall	NCh 2785. of 2003	ISO717-1:1996/Amd.1:2006, ISO 354	1 day	44	dBa	R' _A
May, 31 -2012	Air Infiltration	1028171 Dictuc	Chile	Wall: steel, Insulterm and Myca 63	Real wall	ASTM 779-03	ASTM 779-03	1 day	1,56	1/h	