

ROOF PARAMET ERS	LITERATURE	TYPE	SIGNIFICANT CONTRIBUTION
Climate	12. Köppen, W. (2015). Wikipedia. Retrieved from http://en.wikipedia.org/wiki/K%C3%B6ppen_climate_classification	Websie	Maximum and minimum temperatures
	Official Weather Forecast, Organización Metereológica Mundial	Website	
	16.Chandler, T. J. (1976). Urban Climatology and Its Relevance to Urban Design. Geneva, Switzerland : World Meteorological Organization.	Website	
Slope	8. Oregon Structural. Speciality Code. (2004). Roof Assambles and Rooftop Structures.	Book, Oregon Structural Specialty Code, 204	Maximum and minimum pitch
	11. Davies, J. (2013, July 27). Great Home. Retrieved from A Guide To Roof Construction: http://great-home.co.uk/a-guide-to-roof-construction/	Website	Pitch Roof
	17. Apcarian, A., Walter, C., & Lassig, J. (2004). <i>El efecto Wise en función del ángulo de la cubierta del edificio mayor</i> . Neuquén, Buenos Aires.	Report	
Reflection	1. M.T.R. Jayasinghe, R.A. Attalage, A.I. Jayawardena, "Roof orientation, roofing materials and roof surface colour: their influence on indoor thermal confort in war humid climates"	Article	The light color roof surfaces (white) can achieve indoor thermal conditions comparable to those of the insulation materials.
	2. N.K. Bansal, S.N. Garg, S. Kothari, "Effect of Exterior Surface colour on the Thermal Performance of Buildings"(1992).	Publication in Building and Environment . Vol2. No.1, pp.31-37,	The effect of external surface colour on the room temperature inside a building will depend on other parameters: Rate of air ventilation in the building Direct solar radiation gain into the building
	10. Roofing Materials for Flat Roofs	Report	Dark and light colored materials, reflectance and emittance solar
	13. Encyclopedia of Building and Environmental Inspection. (2014). <i>Testing, Diagnosis and Roof Repair</i> .	Encyclopedia	Region limits that constrains the division
	18. Energy Options Explained (EOE). (2015). <i>Roof Color, How It Affects Attic Temperature</i> . Retrieved from	Website	Orientation

	http://energyoptionsexplained.com/roof-color-how-it-affects-attic-temperature/		
	19. Builders, Dealers, DIY and Framers. (2014, February). <i>Norbord</i> . Retrieved from Effects Of Roofing Shingle Color On Energy Efficiency: http://www.norbord.com/na/blog/effects-of-roofing-shingle-color-on-energy-efficiency	Website	White/grey/black colors
	21. Bliss, S. (2015). Solar Age Magazine. Retrieved from Roof Color: http://inspectapedia.com/Energy/Roof_Color.htm#reviewers	Article of experiment	Black and white roof
	23. Jewell, C. (2014). White roofs reign supreme. <i>The fifth Estate</i> .	Article of Magazine	Tile's solar absorptance
Wind	7. University of Strathclyde Engineering. (2009). <i>ESRU</i> .	Website	Wind regimes in terms of full-load hours
	AEMET. (2015). <i>Agencia Estatal Meteorologia</i> . Retrieved from http://www.aemet.es/es/eltiempo/observacion/ultimosdatos	Website	Wind Loads
	19. Builders, Dealers, DIY and Framers. (2014, February). <i>Norbord</i> . Retrieved from Effects Of Roofing Shingle Color On Energy Efficiency: http://www.norbord.com/na/blog/effects-of-roofing-shingle-color-on-energy-efficiency	Website	Heat lost
Thermal Analysis	18. Energy Options Explained (EOE). (2015). <i>Roof Color, How It Affects Attic Temperature</i> . Retrieved from http://energyoptionsexplained.com/roof-color-how-it-affects-attic-temperature/	Website	Emissivity, color, materials
	26. Kuo-Tsang. (2009). <i>Effect of Roof Reflectivity and Roof Greening on Improving Indoor Thermal Comfort of Classroom in Hot and Humid Climate</i> . Environmental Health Perspectives.	Article	Most important parameter
Ventilation	15. Lstiburek, J. (2011). <i>A Crash Course in Roof Venting</i> . Fine Home Building	Document from Website	In hot, cold and mix climates
	20. Findlay Roofing. (2015). <i>Does Roof Color Affect Your Home's Temperature?</i> Retrieved from https://findlayroofing.com/blog/roof-color-atlanta-home-temperature/	Website	Ventilation in hot temperatures
	21. Pickett, M. (2015). HomeAdvisor. Retrieved from Attic Ventilation : http://www.homeadvisor.com/article.show.5-Myths-about-Attic-Ventilation.16547.html	Website	How avoid the moisture
	24. Energy Smart Home Performance. (2015). <i>The other piece of the equation</i> . Retrieved from http://energysmartohio.com/plan-your-job/attic-ventilation	Website	In cold climates
Materials	1. Jayasinghe, M., Attalage, R., & Jayawardena, A. (2003). Roof orientation, roofing materials and roof surface colour: their influence on indoor thermal comfort in war humid climates". Energy for Sustainable Development.	Article	the performance of clay tiles is marginally better than that of cement fibre sheets

	3. M. Guimaraes Mercon, "Thermal Comfort and Architectural typology in hot-humid climates"	Thesis publication	Constructive materials and solar absorption to simulate energy demands of buildings
	4. W. Allen, B. Allen, "Roofing In Europe" in <i>Roof coverings and best practices</i> (London, 2012)	Publication	General characteristics of european local materials
	8. Oregon Structural. Speciality Code. (2004). Roof Assambles and Rooftop Structures.	Book, Oregon Structural Specialty Code, 204	Characteristics and requirements of cover materials
	18. Energy Options Explained (EOE). (2015). <i>Roof Color, How It Affects Attic Temperature</i> . Retrieved from http://energyoptionsexplained.com/roof-color-how-it-affects-attic-temperature/	Website	Materials
	23. Jewell, C. (2014). White roofs reign supreme. <i>The fifth Estate</i> .	Article of experiment	Tiles
Insulation	5. C. Pout and E.R. Hitchin, "The future environmental impact of room air conditioners in Europe"	Proceedings of Conference: Air Conditioning and the Low Carbon Cooling Challenge,	Where needed and thickness of insulation
	6. G. Brager and L. Baker, "Occupant Satisfaction in Mixed-Mode Buildings"	Proceedings of Conference: Air Conditioning and the Low Carbon Cooling Challenge, Cumberland Lodge, Windsor, UK, 27-29 July 2008. London: Network for Comfort and Energy Use in Buildings,	Where needed it
	9. Suman, B., & Srivastava, R. (2008, October). NBMCW. Retrieved 2015, from Construction information: http://www.nbmcw.com/articles/peb-roofing/roofing-cladding/3235-insulated-roof-for-	Website, NBMCW	Insulation in high temperatures

	energy-saving-and-thermal-comfort-in-buildings.html		
	18. Energy Options Explained (EOE). (2015). <i>Roof Color, How It Affects Attic Temperature</i> . Retrieved from http://energyoptionsexplained.com/roof-color-how-it-affects-attic-temperature/	Website	Thickness
	9. Suman, B., & Srivastava, R. (2008, October). NBMCW. Retrieved 2015, from Construction information: http://www.nbmcw.com/articles/peb-roofing/roofing-cladding/3235-insulated-roof-for-energy-saving-and-thermal-comfort-in-buildings.html	Website, NBMCW	Orientation of the roof has a negligible effect
Orientation	3. M. Guimaraes Mercon, "Thermal Comfort and Architectural typology in hot-humid climates"	Thesis publication	Orientation
	1. Jayasinghe, M., Attalage, R., & Jayawardena, A. (2003). Roof orientation, roofing materials and roof surface colour: their influence on indoor thermal comfort in war humid climates". <i>Energy for Sustainable Development</i> .	Article	
Cool Loads	10. Roofing Materials for Flat Roofs	Report	Reduction cooling loads
	13. Encyclopedia of Building and Environmental Inspection. (2014). <i>Testing, Diagnosis and Roof Repair</i> .	Encyclopedia	
	9. Suman, B., & Srivastava, R. (2008, October). NBMCW. Retrieved 2015, from Construction information: http://www.nbmcw.com/articles/peb-roofing/roofing-cladding/3235-insulated-roof-for-energy-saving-and-thermal-comfort-in-buildings.html	Website, NBMCW	
	25. Thermal Comfort. (2015). Retrieved from Exploring cool-roof and passive ventilation techniques to achieve thermal comfort: http://thermalcomfort.co.in/	Website	