



Use of Laminated Beams for building in humid climates.

Laminated beams, bonded with Casco Adhesives' melamine or melamine urea adhesives such as 1249 with hardener 2579 will, if produced according to good professional practice and to our recommendations for use of the adhesive system as well as following all construction requirements for such an application, be suitable when used as building material in humid climates.

1249 with hardener 2579 is approved by Norsk Treteknisk Institutt (NTI), Norway, Materialprüfungsanstalt Universität Stuttgart - Otto-Graf-Institut (MPA), Institut Technologique FCBA, France, SKH/KOMO (DHBC No. 32389), Holland and BUtgb (ATG 06/2662) Belgium for the production of load-bearing timber structures.

1249 with hardener 2579 fulfils the requirements according EN 301 for glue type I for service classes 1, 2, 3 in EN 386 as well as the requirements in DIN 68141 for the production of load-bearing timber structures according DIN 1052.

The combination can be used for the production of laminated beams according to EN 14080.

EN 301 states what type of adhesive can be used for loadbearing constructions, and the different service classes of EN386 states under what climatic conditions these adhesives are approved for. In service class 2 „ the average equilibrium moisture content in most softwoods will not exceed 20%“, and service class 3 is „characterized by climatic conditions leading to higher moisture contents than service class 2“, which means climate leads to moisture contents that exceed 20%. This corresponds to the DIN1052, as well as the SIA 265 class 3.

Stockholm 2009-08-21

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