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Jowat Universal Adhesives Australia Pty Ltd
Mr Shane Devereaux
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Australia

Responsible:
T. Rüegg / Dr. H. Jung

Extension:
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Our reference:
TR/HJ

Date:
16th July 2015

Jowapur[®] System Durability

Dear Mr. Devereaux

I am writing to you in order to clarify matters regarding the durability of the Jowapur[®] 686.30, 686.60 and 686.70 for bonding load bearing timber components and Jowapur[®] 686.20 for fingerjoint applications.

- 1) The Jowat Swiss AG ("Jowat") warrants that Jowapur[®] 686.30, 686.60 and 686.70 for bonding load bearing timber components and Jowapur[®] 686.20 for fingerjoint application, are 1 C PUR adhesives used extensively in structural wood manufacturing, meet the agreed specifications and the properties covered by these, and also comply with recognized rules of technology, and that they are free of flaws which diminish or void either value or suitability of this products for the intended purpose.
- 2) The warranty covers especially the adhesive strength and also the suitability of the adhesive for the above mentioned applications for which it has been tested. The warranty runs for a maximum period of 50 years after the date of supply of the adhesive. The duration of the warranty is limited by the warranty period of the other materials used.
- 3) Jowapur[®] 686.30, 686.60 and 686.70 are tested according to DIN 1052:2008 for bonding load bearing timber components and Jowapur[®] 686.20 to DIN 1052:2008 for fingerjoint application, a highly recognized German Standard. Thus the adhesive system meets the requirements of AS/NZS 1328.1:1998.

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These adhesive systems are extremely durable and have been used, as wood adhesive, in severe outdoor structural situations with proven durability.

For Jowat to give a guarantee of performance, several conditions must apply:

- 1) The adhesive must be used in a way to conform to the Technical Data Sheet requirements.
- 2) Glulam made in such a way must be tested and certified by an independent authority, such as the GLTAA and shown to conform to AS/NZS 1328 performance requirements.
- 3) The quality of the wood used and the treatment of it, in this case CCA treatment, must be consistent and uniform in quality for the end use required. The Glulam manufacturer accepts the obligation to inform Jowat of all modifications in the composition of the used materials which might have an impact on the adhesive strength, in writing, otherwise the warranty becomes void.
- 4) Glulam Producers must produce the Glulam to very strict manufacturing procedures, such as wood moisture, glue spread, assembly time, pressure etc. The processing conditions must be defined, observed and records must be kept.
- 5) Glulam Producers must test the product produced to ensure that the performance of the adhesion passes the requirements of AS/NZS 1328.
- 6) Samples of the Glulam timber made should be forwarded to Jowat for testing on a regular basis. The sampling regime is to be confirmed.

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- 7) If all the above conditions are met, then Jowat can guarantee the performance of the adhesion for up to 50 years in the expected application. In fact the adhesive is so durable that it is expected to outlast the timber itself.
- 8) Jowat excludes all liability for damages incurred due to faulty processing of the Jowat adhesives.

Kind regards,
Jowat Swiss AG

Toni Rüegg
Managing Director

Dr Heiko Jung
R&D PUR Prepolymers