



INSTITUT TECHNOLOGIQUE

Bordeaux, July 11th 2016

CASCO ADHESIVES AB
M. Lars Hjelm
PO Box 11538
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Our ref. : LBO/GL/MP/403/16/348-e

Project manager : *Guillaume LEGRAND*

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Scope : **TYPE I CLASSIFICATION ACCORDING TO NF EN 301 (2013)
OF THE TWO COMPONENTS MUF ADHESIVE SYSTEM
GripPro™ Plus**

Dear Sir,

I hereby confirm that the two components MUF adhesive system reference GripPro™ Plus Adhesives A011 / GripPro™ Plus Hardener H011 :

- Fulfils to the Type I classification requirements of the NF EN 301 (2013) standard for the bonding of load bearing timber structures. Conditions approved :
 - Finger jointing and face gluing by mix-in application of resin and hardener with ratios 100 / 30 to 100 /100 ;
Classification designation according to NF EN 301 (2013) :
EN 301 I 90 GP 0.6 M
 - Face gluing by separate application of resin and hardener with ratios 100 / 30 to 100 /100
Classification designation according to NF EN 301 (2013) :
EN 301 I 90 GP 0.3 S

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Siret 775 680 903 00132
APE 7219 Z
Code TVA CEE : FR 14 775 680 903

- Finger jointing by mix-in application of resin and hardener with ratio 100 / 10 ;
Classification designation according to NF EN 301 (2013) :
EN 301 I 90 FJ 0.1 M
 - Finger jointing by separate application of resin and hardener with ratios 100 / 50 ± 30 and 100 / 70 ± 30 ;
Classification designation according to NF EN 301 (2013) :
EN 301 I 90 FJ 0.1 S
- And fulfils to the requirements of the NF EN 14080 (2013) standard for the production of glued laminated timber.

This approval is valid for the bonding of common softwood species: spruce, silver fir and scots pine, and is also extended to European and Siberian larch, and douglas fir.

This approval is based on the following documents :

- Classification approval according to NF EN 301 (2006) FCBA n° LBO/GL/MP/403/14/267
- Additional classification report according to NF EN 301 (2013) FCBA n° LBO/GL/MP/403/16/348

Sincerely yours,

Guillaume LEGRAND



**Engineer in charge of the approval of adhesives
for the bonding of wood**