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MEMORANDUM

To: CLSAB Members
From: Chuck Dentelbeck, President & CEO
Date: April 12, 2019
Subject: CLSAB Accepted Adhesives for HRA Labelling

The following Adhesives are currently accepted for HRA Labelling:

Adhesives Accepted by CLSAB for HRA labelling

Method of Evaluation

ASTM D7374 - 08¹ Standard Practice for Evaluating Elevated Temperature Performance of Adhesives Used in End-Jointed Lumber

Product	Submitting Agency	Approval Date
a. HEXION - MR84A / Catalyst M-605LY <ul style="list-style-type: none">Melamine-based adhesive systemVery unique high solids formulationAlso excellent for hot pressing and radio-frequency curingProvides superior water resistance	COFI	17-Sep-07
b. DYNEA - PREFERE 4720/5025A MELAMINE (KNOWN AS FRANKLIN ADVANTAGE 500 MF) <ul style="list-style-type: none">Melamine Formaldehyde AdhesiveLaminates and composites including glue laminate products (beams, I-joists, structural finger joints)	AFPA	17-Sep-07
c. HEXION - MR84A / Catalyst M-610LY <ul style="list-style-type: none">Melamine-based adhesive systemProvides superior water resistanceDesigned for ambient cure of end-jointed lumber/structural fingerjointsVery unique high solids formulation	QFIC	15-Oct-07
d. HEXION - MELAMINE-FORMALDEHYDE MF-3L/610LY <ul style="list-style-type: none">Radio frequency curable melamine-resorcinol-formaldehyde (MRF) system	QFIC	27-Oct-07
e. HEXION – PRF / AG-5675Q / Catalyst FM-6310L <ul style="list-style-type: none">Liquid phenol-resorcinol-formaldehyde resin with para-formaldehyde, ready-to-use liquid hardenerDesigned for gluing structural wood members when fast cure times are desirable	QFIC	15-Nov-07
f. HEXION - AG-5635Q with Catalyst LQ-100 <ul style="list-style-type: none">Melamine-based adhesive systemVery unique high solids formulationDesigned for ambient cure of end-jointed lumber/structural fingerjointsProvides superior water resistance	QFIC	21-Jan-08
g. HENKEL PURBOND HB E032 (3074-3) <ul style="list-style-type: none">Polyurethane adhesiveAll grades and species of end-jointed lumber	CMSA	28-Feb-08
h. HEXION WONDERBOND® EPR-20 VS/M-318LY <ul style="list-style-type: none">Designed for high speed coldest finger jointingLong pot life for pressure pot delivery	QFIC	7-Jan-09

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i. PURBOND GT 20 (resin) and PURBOND GT 205 (Catalyst) <ul style="list-style-type: none"> • 2 part Structural Urethane Hybrid Adhesive • Can be cold pressed, hot pressed, or radio frequency (RF) cured • The pot life of this 2 part adhesive is relatively short, therefore the use of a meter mixing unit, just prior to application, is recommended 	OLMA	14-Sep-17
j. FRANKLIN ADVANTAGE EP-950A emulsion with hardener 200 <ul style="list-style-type: none"> • Acrylic-based emulsion polymer isocyanate system • Water and Heat resistance • Can be utilized in cold and hot press equipment • Must be mixed at the rate indicated by the manufacturer 	OLMA	14-Sep-17
k. HEXION CASCOPHEN LT-5210J with hardener CASCOSSET FM-7400 <ul style="list-style-type: none"> • Liquid PRF Resin • Application PRF for wood fingerjoint and I-joint 	OLMA / QFIC	17-Nov-17
l. HENKEL LOCTITE® UR 5180 <ul style="list-style-type: none"> • Formaldehyde free one-component liquid • Transparent glue line 	CMSA	27-Jun-18

1 - ASTM D7374 - 08 - designed to minimize the variables in test wall assemblies to ensure that adhesive systems are isolated for qualification. Adhesives that meet this standard can be adopted by any manufacturer with any wood species or grade and any finger joint geometry, and their end-jointed lumber manufactured with the adhesive may be stamped "heat resistant adhesive" (or "HRA") without any further fire testing.