

Ecohere™ NAF Adhesive

A New Non-toxic and Eco-friendly Choice



●● About Alliance Materials

Alliance Materials Technology Co., Ltd. was established in 2018. Considering the health of general public and the rising trend of green circular economy, Alliance focuses primarily on the research development and production of formaldehyde free and nontoxic eco-friendly bio materials. As publically announced by the WHO, formaldehyde is classified as a Group 1 carcinogen that is commonly found in traditional adhesives usually used in construction. This is not beneficial to the general public's health when released within the indoor environment for a long period of time. In order to improve this situation, Alliance finally developed a safe and nontoxic "Ecohere™ NAF Adhesive" after numerous experiments.

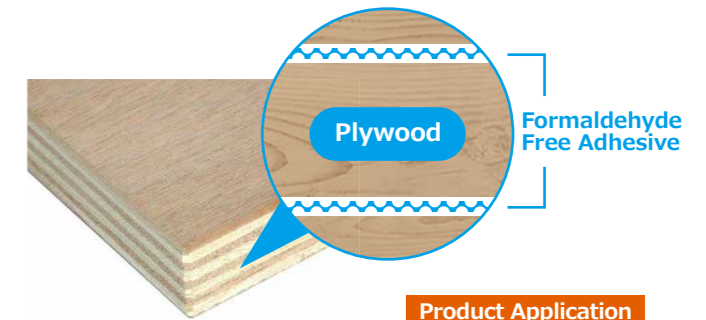
Through collaborating with global brand enterprises, Alliance has developed and manufactured industrial application materials that fulfills the future trends of green circular economy. Finally, Alliance will proactively explore new overseas markets by establishing Taiwan as a base for research development and production center.

Alliance

●● Product Introduction

The Ecohere™ NAF Adhesive uses cellulose as raw material as it is easy to obtain and widely available in nature. This product had already obtained patents from Taiwan, the US, Japan and Mainland China, and could be applied onto wooden furniture, solid wood floors and bamboo panels or other relevant wood products.

Ecohere™ NAF Adhesive recently had successfully entered the supply chain for internationally renowned furniture franchise stores, and acquired relevant product certifications. Furthermore, it is expected the furniture franchise stores will gradually use this product in all fields before 2030; this shall assist the traditional industries such as the building and construction sector to transform and upgrade towards the nontoxic direction, providing the general public a healthier and nonhazardous living environment.



●● Product Features

Ecohere™ NAF Adhesive uses nontoxic biomaterials as precursors to achieve formaldehyde free status. Products and building materials, which use this adhesive, are able to fulfill the strict standards of US No-added formaldehyde (NAF) and the formaldehyde emission standards for wood products of the US Environmental Protection Agency Toxic Substances Control Act (TSCA) Title VI. In other words, the relevant wood products could be recycled and reused without any need for detoxification, achieving the goal of circular economy. Unlike other formaldehyde free adhesives, the manufacturing process for this product is simple and nontoxic, and the adhesive itself is odorless. On the other hand, the crosslink structure of the adhesive chemically bonds with the wood materials, therefore is not easily unglued. In addition to the strong durability of its adhesive, it also fulfills the national CNS-1349 Type I inspection standard, which means the product passes the most rigid water resistant test that remains uncracked under 4 hours of boiling water. Additionally, when used upon curved products, there are no warping nor delamination problems, there is excellent evenness and durability, showing perfect balance between practicality and environment protection.

