

PACKED WITH EXPERTISE

# ACTEbond® FOR PORTION PACKS

ACTEGA-LAMINATING ADHESIVES  
BPA-NI AND EPOXYSILANE-FREE

# ACTEbond® LAMINATING ADHESIVES FOR PORTION PACKS

- ✓ For pet- and human-food
- ✓ For drinks such as tea and coffee

## CONSUMER BENEFITS

Safe food packaging free from BPA and epoxysilanes

## CUSTOMER BENEFITS

Excellent adhesion, including to aluminum substrates – also supports use on aluminum that contains magnesium or has been batch – annealed

Outstanding filling resistance (even for contents with extremely high acid or fat levels)

## OUR RECOMMENDATION FOR PORTION PACKS

### ACTEbond® ASB-208 series

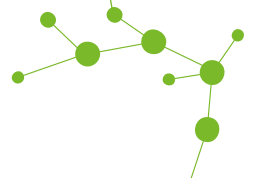
- ✓ Can be used for all conventional aluminum substrates and critical contents (acidic and fatty)
- ✓ Also available in a wide variety of colors

### HARDENER HT-049-S

- ✓ Aliphatic, yellowing-resistant hardener for aluminum laminates
- ✓ Doesn't generate any primary aromatic amines (PAA) during the sterilization process

## FORMULATION

Solvent-based  
2-component  
polyurethane adhesive  
based on polyols in  
combination with  
aliphatic  
isocyanates.



# PHYSICAL DATA

Adhesives	Solid content [%]	Density [g/ml]	Viscosity
ACTEbond® ASB-208	49 ±2	1,045 ±0.05	2.500 ±1.500 mPas
ACTEbond® ASB-208 (gold)	53 ±1	1,050 ±0.05	1.000 ±500 mPas

Hardener	Solid content [%]	Density [g/ml]	Viscosity
HT-049-S	85 ±2	1,10 ±0.05	1.000 ±500 mPas

## Food safety thanks to adhesives that are free of epoxysilanes and BPA

Reliably safeguarding consumer health is our top priority. When it comes to applications that involve (direct) contact with foods, we painstakingly investigate the safety of the relevant raw materials and use only materials that verifiably comply with food regulations (such as FDA and EU directives).

As part of a safety-conscious approach, ACTEGA has developed adhesives that are free from BPA and epoxysilanes (such as GLYMO and GLYEO) but also exhibit outstanding performance.

## Technical Data

### ACTEbond® ASB-208 & HT-049-S

Also meets the most stringent requirements for sterilization resistance

Outstanding substrate adhesion and flexibility

Exceptionally good thermal and chemical resistance

Free from aromatics (no PAAs are produced during sterilization)

## Sustainability

By using thinner aluminum, ACTEGA is helping cut packaging waste and making a major contribution to preserving resources (reduced use of materials and energy).

READ HERE,  
WHY ACTEGA PROACTIVELY  
CHANGED ITS ACTEBOND®  
ADHESIVE RANGE AND DOES NOT  
USE BISPHENOL A (BPA) AND  
EPOXYSILANE IN ITS ADHESIVES.







BESIDES LAMINATING ADHESIVES, WE ALSO OFFER A WIDE-RANGING PORTFOLIO OF ACTECOAT® PROTECTIVE COATINGS FOR FOOD TRAYS. FOR MORE INFORMATION, PLEASE CLICK HERE.



Here you can see the typical structure of a tray for food and pet food.



#### Human & Pet Food- Containers

- Lacquer (ACTEcoat® Protective Coating) ..... 3 µm
- Aluminium ..... 80-90 µm
- Adhesive (ACTEbond® ASB-208+HT-049-S) ..... 5 µm
- PP ..... 30 µm

Our adhesives are also available in a wide variety of colors.

The pigmented adhesives from ACTEGA combine a decorative appearance with functional performance, while our color expertise offers additional, unique features for our ACTEbond® laminating adhesives range.

The colored versions enable you to replace full-area color printing. This saves on processing time and costs while also making it possible to create custom packaging designs by printing additional colors. Our pigmented adhesives are also impressive thanks to their excellent covering properties and their suitability for direct contact with foods (in line with FDA and EU directives).

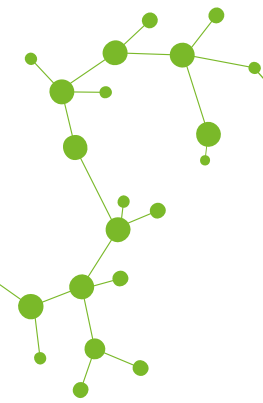
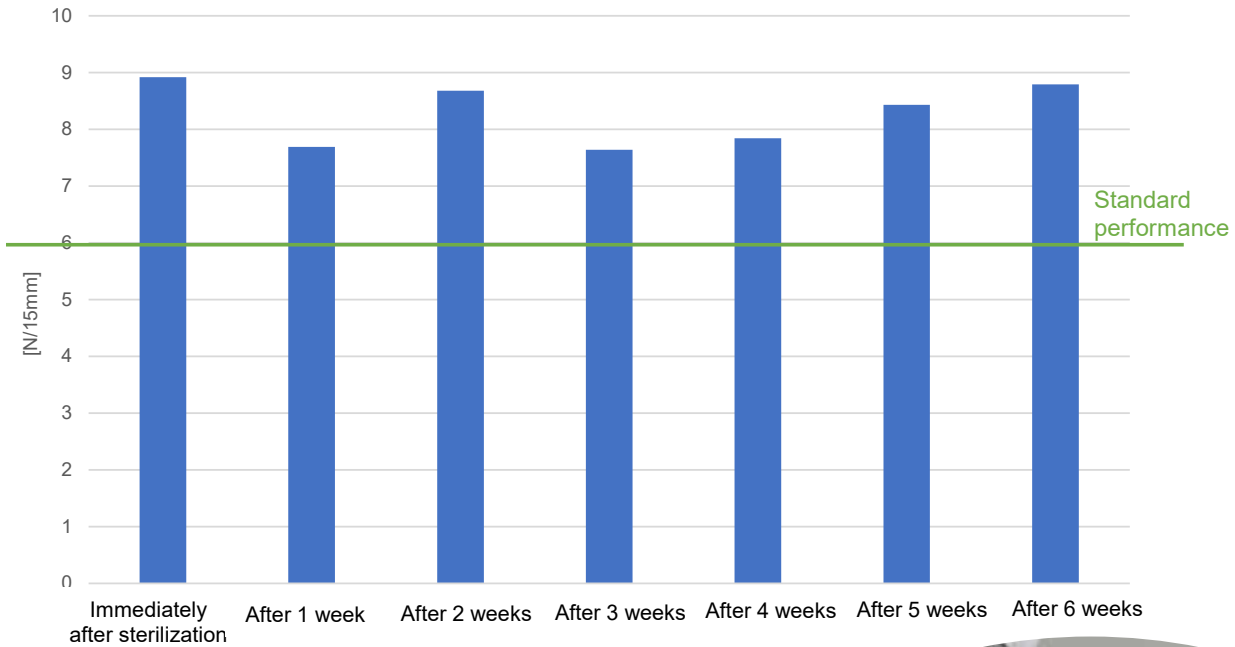


# COMPOSITE ADHESION

– IMMEDIATELY AND AFTER STORAGE FOR SEVERAL WEEKS –

## ACTEbond® ASB-208 series

Trays filled with simulant solution, sealed, sterilized (131°C/30 min), checking adhesion immediately and after storage in a climatic chamber (40°C/50 % humidity)



OUR  
EPOXYSILANE-FREE  
AND BPA-NI LAMINATING  
ADHESIVES ACHIEVE  
ADHESION VALUES  
THAT ARE  
SIGNIFICANTLY ABOVE  
THE STANDARD.



# ACTEGA YOUR COMPETENT PARTNER FOR THE PACKAGING MARKET

## Technical service and tailored advice

Selecting the perfect product from our wide-ranging portfolio of successful, tried-and-tested standard solutions

Joint development of a bespoke product solution

Considerable expertise in legal matters concerning food-stuffs

Extensive know-how when it comes to our customers' plants

Supporting new products at the customer plant  
Laboratory analysis and trouble shooting on site

## Production

Customer-specific order production

Small volumes also available

## Research & development

Ultramodern laboratory equipment

High level of investment in R&D

Innovative, market-oriented product development

## Quality control

Quality control using state-of-the-art testing equipment

Quality certificates for each individual batch

100 % traceability of raw materials, products, and deliveries

### Integrated management system:

Quality management system

Environmental management system

Energy management system

Occupational health and safety management system



Your contact:  
[www.actega.com](http://www.actega.com)

Copyright 2020 ACTEGA. All rights reserved.

The information and specification published in this document are given to the best of our knowledge and correspond with our current state of knowledge. All the information shall not create any guarantee of properties in the legal sense or representation with regard to characteristics and fitness for any particular purpose. The correctness, completeness and applicability of the information is subject to our explicit written confirmation in any particular case. Legally binding are only information set forth in the order confirmation and in the current technical datasheets. Product images may deviate, and do not warrant a certain appearance or function. We recommend testing our products as to their suitability for your envisaged purpose prior to use. Products, services, delivery terms and prices as well as the information contained in this document are subject to alteration without prior notice; the same is true for errors and omissions. The General Terms and Conditions of ACTEGA Rhenania shall apply exclusively, which you can find on our website or order confirmation.