



## APPLICATIONS

Adekit A-290 is a liquid two-component adhesive. It is an excellent choice for areas needing a flexible bond, or areas where resistance to high or low temperatures is needed. It is also the product of choice for bonding applications where vibration is an issue.

## PROPERTIES

- Easy to use cartridge kit
- Fast Setting
- Excellent Working Temperature Range
- Excellent resistance to Vibration

## CHOOSING AN ADEKIT PRODUCT

It is important to take the environment and surface condition into consideration when selecting the correct Adekit product for your application. Environment combined with the product's mechanical characteristics may affect the product's bonding resistance over time.

Items to consider when selecting an Adekit Product for Use:

- Nature of materials to be processed
- Mechanical performance of bonding
- Environment (temperature, moisture, UV light, etc.)
- Durability required

## SURFACE PREPARATION

- Apply on a clean, dry surface that is free of polluting agents (grease, dust, etc.)
- Please consult our technical department for preparation of large industrial applications
- This product comes in a two part cartridge and requires a manual or pneumatic gun for application.
- Application temperature range is -40° - 212°F (-40° - 100°C)

### **Possible Surface Preparations:**

- Degreasing with solvents
- Mechanical treatment
- Chemical treatment
- Application of a primer

## PRECAUTIONS

Normal health and safety precautions should be observed when handling these products:

- Ensure good ventilation
- Wear gloves and safety glasses

For further information, please consult the Material Safety Data Sheet

## STANDARD PACKAGING

Part A Resin	Part B Hardener
25 cc cartridge	25 cc cartridge
200 cc cartridge	200 cc cartridge

Adekit A 290 is sold in packages of 12 cartridges per case

# Adekit A-290

## PHYSICAL PROPERTIES

Composition		Resin	Hardener	Mixed
Mix Ratio - by weight		130	100	
Mix Ratio - by volume		100	100	
Color		Light Grey	Beige	Beige
Density		12.2	9.8	11.09
Pot Life (60 g) at 77°F/25°C	Minutes	-	-	3
Open Time	Minutes			5
Final Hardening Time	Hours			24
Working Temperature	°F			-40°F - 212°F

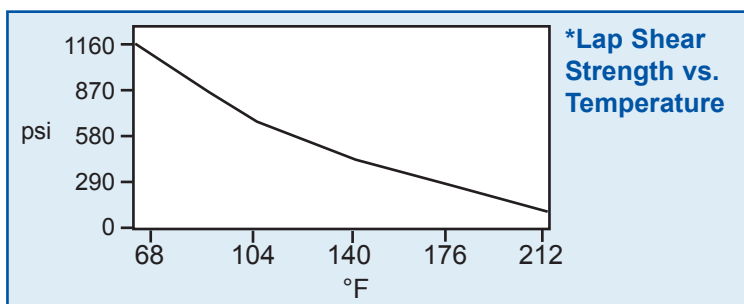
## MECHANICAL AND HEAT RESISTANCE PROPERTIES\*

Final Hardness		ISO 868-85	Shore A	90
Tensile Strength		ISO 527-66	psi/MPa	1,885 / 13
Elongation at Break		ISO 527-66	%	60
Lap shear on aluminum etched in sulfochromic bath**		ISO 4587-95	psi/MPa	2,030 / 14
Peel strength on climbing drum		ISO 4587-90	psi/MPa	1,305 / 9
Lap shear strength after moist cataplast 176°F / 80°C		ISO 4587-95	psi/MPa	1,160 / 8
Peel strength after immersion in water at 176°F / 80°C		ISO 4587-90	kN/m	3.2

\* **Note:** The above values were obtained after curing product for 8 hours at 176°F / 80°C, and then 48 hours at room temperature.

\*\*Immersion in water 14 hours.

\*\*\*Moist cataplast 14 days



## STORAGE

The shelf life of both parts is at least twelve (12) months in a dry place and in the original unopened containers at a room temperature of 59°-77°F/15°-25°C.

## GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON® products, under their own conditions before commencing with the proposed application. AXSON® guarantees the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON® disclaims all responsibility for damage from any incident, which results from the use of these products. The responsibility of AXSON® is strictly limited to reimbursement or replacement of products, which do not comply with the published specifications.

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