

The Introduction of ACULAH®

**Nakashima Rubber Industry
Company Limited**

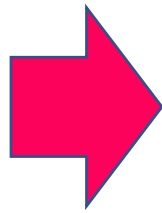
What is ACULAH[®] ?

ACULAH[®] is a film of vulcanizing adhesive (liquid) which is used for industrial rubber products such as seismic isolation rubber and anti-vibration rubber for automobiles and so others.

*Vulcanizing Adhesive; An adhesive is for molding rubber with metal.



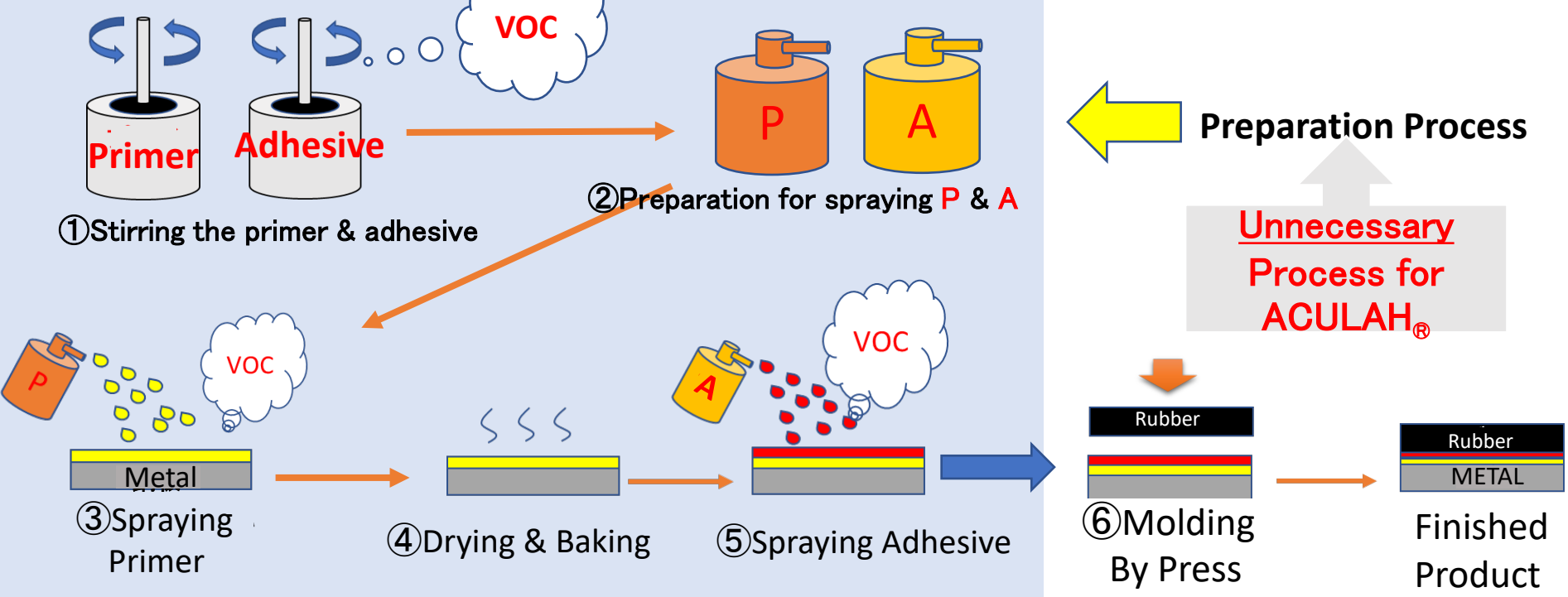
Liquid Adhesive



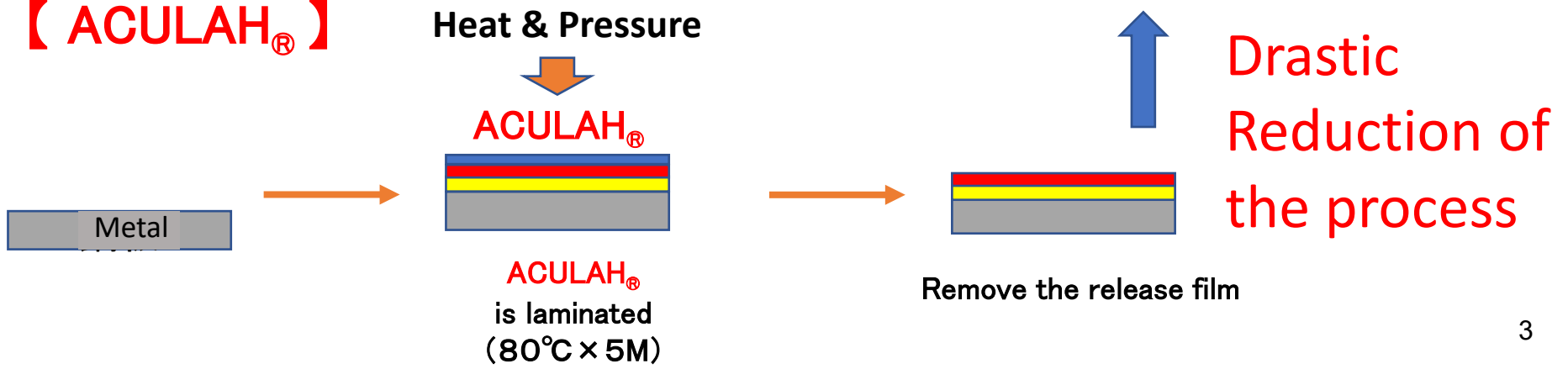
Film of Adhesive

Comparison between the conventional and the ACULAH

【Conventional】



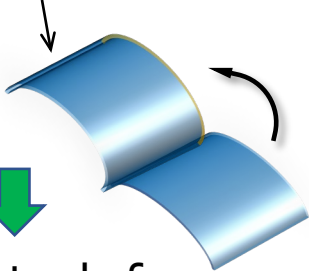
【ACULAH®】



How to use ACULAH®

【Procedure】

① Release the PET film



① Cut the ACULAH® to the required size

② Put the primer on the metal plate and attach ACULAH®

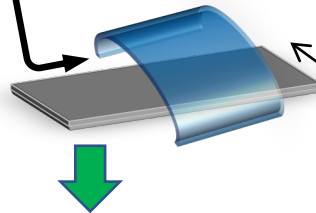
③ Place the metal plate in the preheated press.

④ Pressured by the press machine.

⑤ After the set time, remove the temporarily bonded ACULAH®.

⑥ Put it in the rubber vulcanizing press and perform molding.

② Attach from the primer side

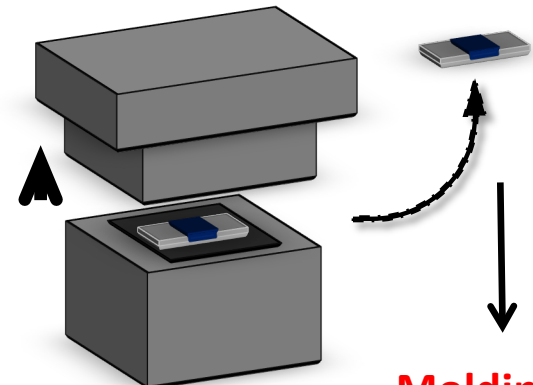
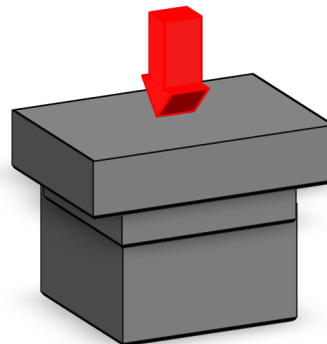
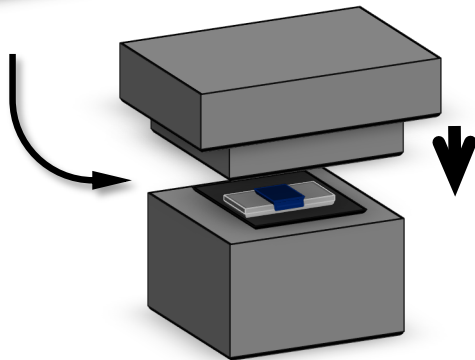


Metal Plate

③ Preheated

④ Pressure

⑤ Remove



Molding

The merits of ACULAH®

- ① Low cost can be realized.
 - (1) Stirring, spraying and drying are not necessary.
 - (2) The adhesive loss is small and the adhesive cost can be significantly reduced.
- ② VOC is not discharged in the bonding process
- ③ The adhesive thickness can be made uniform, and stable adhesive strength and quality can be maintained.
- ④ ACULAH can make the life time of the adhesive longer.

The problems of the conventional method

VOC



The Conventional method
(Spraying)

- The working environment is very poor because of discharging a large amount of VOC.
- Exhausting equipment required for VOC.
- Non-uniform adhesive film thickness even when skilled workers apply.
- Large loss of adhesive (80% loss) in spray coating.

Urgent need to solve these problems

ACULAH®