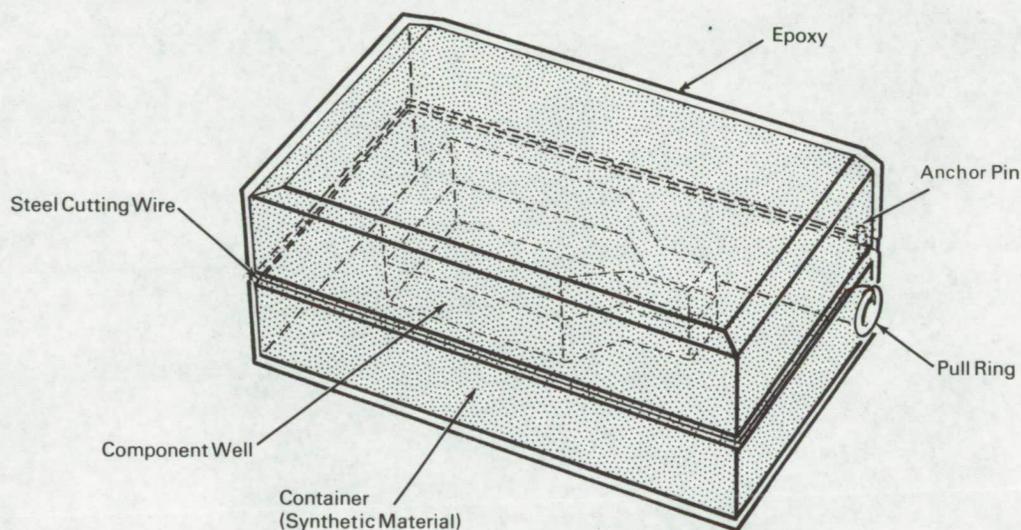


NASA TECH BRIEF



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Epoxy-Coated Containers Easily Opened by Wire Band



The problem:

Synthetic cellular containers, used for shipping and storing fragile goods and equipment, are vulnerable to puncture, abrasion, and contamination. External coatings provide some protection, but the problem of adequate closure combined with ease of opening remains.

The solution:

A wire band wound around the closure joint, followed by an epoxy coating applied to the entire container. The container may be opened by pulling the wire through the epoxy around the joint.

How it's done:

A steel wire with an anchor pin at one end and a pull ring at the other is wound completely around the container at the closure joint. An epoxy material that will cure but not become brittle is sprayed over the

entire package, including the wire and closure joint. After having been opened by removal of the wire, the container may be reused by replacing the wire and again spraying the separation joint with epoxy.

Note:

Inquiries concerning this innovation may be directed to:

Technology Utilization Officer
Marshall Space Flight Center
Huntsville, Alabama, 35812
Reference: B66-10174

Patent status:

No patent action is contemplated by NASA.

Source: J. W. McCoy
of North American Aviation, Inc.
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Marshall Space Flight Center
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Category 05