

## Introducing .....



# ...the 'Composite Can'

continue)



## Packaging Applications

- Food
- Beverages
- Pharmaceuticals
- Detergents
- Pet Food
- Chemicals

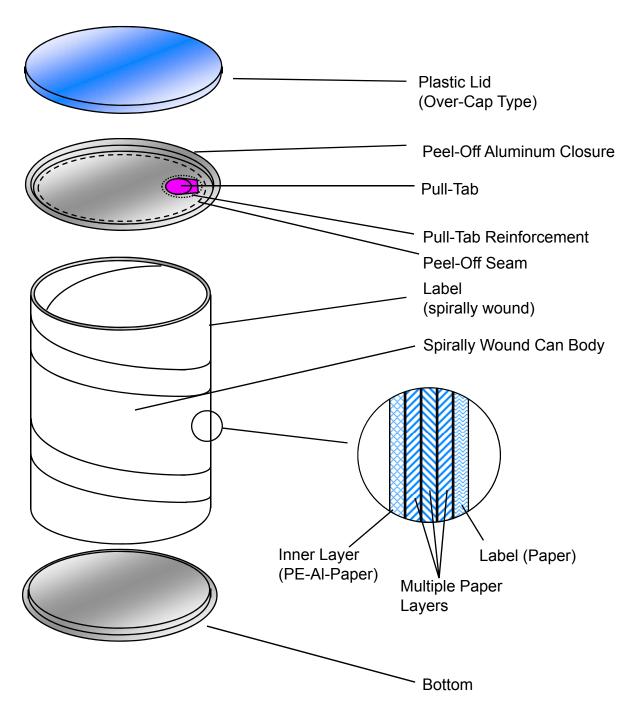


## Advantages

- barrier attributes against humidity, gases (oxygen), light and odors
- resistant against aggressive filling goods
- suitable for food packaging
- easy processing in filling machines
- excellent filling good protection
- filling good enhancement through easy handling and overall appeal
- environment friendly



### Closure with Pull-Tab

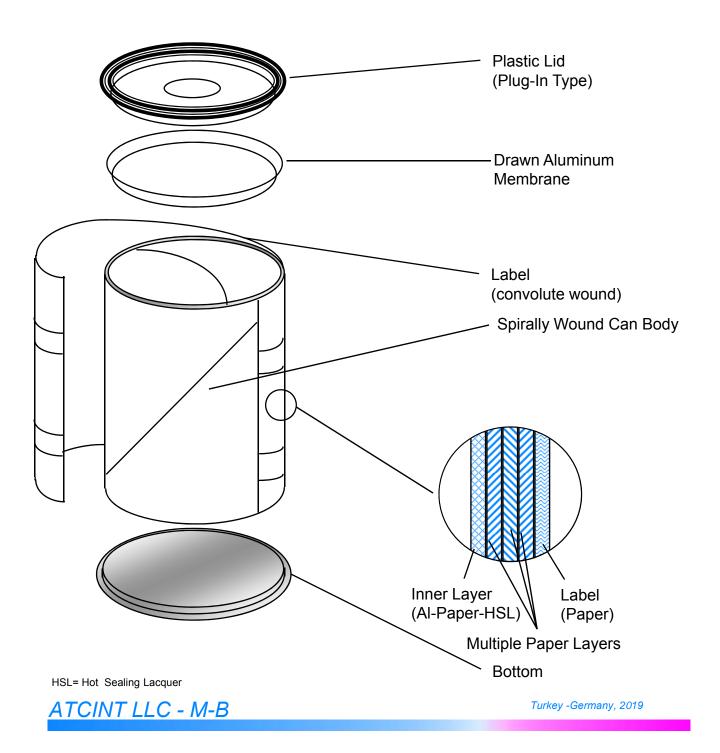


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### Closure without Pull-Tab

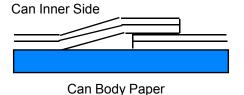


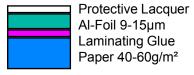


## **Composites**

#### 1 Liner

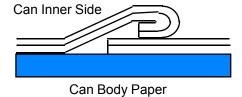
1.1 overlap, glued seam





dry filling **Products** 

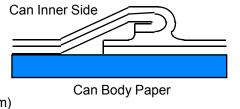
1.2 folded overlap, glued seam

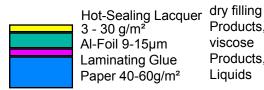




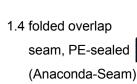
dry filling Products, viscose **Products** 

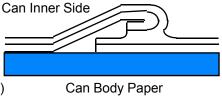
1.3 folded overlap seam, sealing lacquer sealed (Anaconda-Seam)

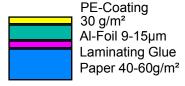




Products, viscose Products, Liquids





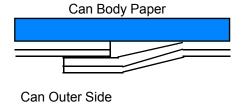


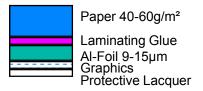
dry filling Products, viscose Products, Liquids



## **Composites**

### 2 Label





dry Products, viscose Products, Liquids



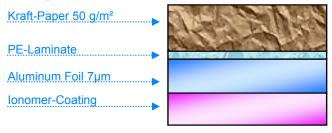
# Can Body Structure

Comparison: Spirally Wound / Convolute Wound Body

Spirally Wound Body	Convolute / Linear Formed Can Body
high output	lower output
no visible body overlap (smooth and even surface)	visible body overlap
no problems with membrane sealing	problems with membrane sealing are possible
low costs / high production speeds of up to 50 (tube) meters per minute	high costs / low production speed, limited to 15 (tube) meters per minute
machinery more versatile in respect to different can sizes	machinery less versatile in respect to different can sizes
restricted to round cans	none-round cans possible



### Liner for 'hermetically closed' Composite Cans



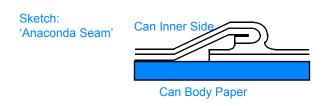


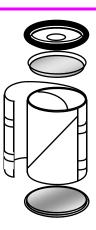
#### Can Features

- oil and grease resistant
- tight against gas (oxygen), light, humidity and odors
- can body made of either 'Kraft-Paper' or recycled paper

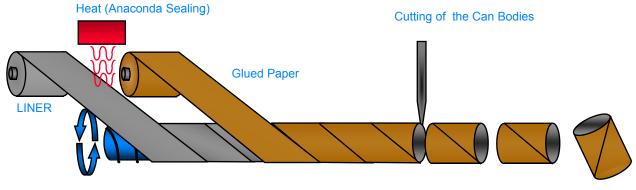
#### **Process Information**

- The can body is spirally wound
- The Liner is folded and overlap wound
- The overlap is sealed to secure the tightness of the can
- The sealed overlap is called 'Anaconda Seam'





#### **Spiral Winding Process**



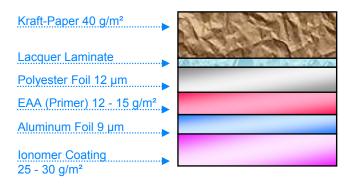
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#### Membrane foil for Composite Cans

### with outward curl



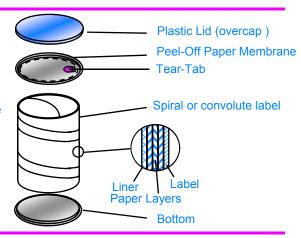


#### **Features**

- Membrane with paper attributes
- Can be used for additional advertising (printable)
- easy disposable
- · easy handling and opening due to large pull-tab
- Tight and hermetically closed sealing possible through lonomer Coating
- Tight against gas (oxygen), humidity, light, odors and micro-organisms through Aluminum Foil
- High tear resistance

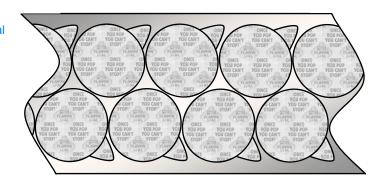
#### **Process Information**

- Membrane manufacturing start from a roll of membrane foil
- The membrane is punched as part of the can finishing / closing process
- Manufacturing and sealing of a separate tear-tab is not required, the tear-tab is integral part of the membrane
- The membrane is directly sealed against the coating of the liner foil, which is exposed to the outside of the can due to the outward curl



### Membrane Manufacturing (part of the can finishing / closing)

Membrane punching pattern, starting from rolled membrane material



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