



# Walki® FeatherForm

## Strong & lightweight automotive skin

Walki provides automotive products that bring together multiple functionalities in a sleek skin, designed to provide the requisite look and feel, stiffness and sound reduction needed in vehicles.

### Walki® FeatherForm attributes

- Glass veil reinforced skin
- Improved stiffness performance teamed with substantial weight reduction
- Anti-squeak via a non-woven finish
- Smoke barrier

### Typical applications

- Headliner
- Hoodliner
- Trunk load floor
- Underbody shield
- Engine cover

### Case Study: Headliner Process: Thermoforming

#### Traditional solution

Dimensions: 138x165 cm  
Weight: 650 g



#### Walki® FeatherForm

Dimensions: 138x165 cm  
Weight: 470 g



**28% weight reduction**  
Same functionality  
Similar raw material costs

# Let's Drive into the Future Together.

Application	Name	Composition	Weight (g)	Thickness (µm)	Special features
Headliner	RBN1820	PP / GF / PA / Nonwoven	182	212	PU glue barrier Sound barrier Good adhesion Lightweight Smoke barrier
Hoodliner	RN1820	PP / GF / PP / Nonwoven	182	518	Heat barrier Lightweight Flame retardant
	RN1850	PE / GF / PE / Nonwoven	185	480	Heat barrier Lightweight Flame retardant
Trunk load floor	RBN2350	PP / GF / PA / Nonwoven	235	500	Lightweight Prevents PU bleedthrough Good surface finish
Underbody shield	RN1820	PP / GF / PP / Nonwoven	182	518	Sound barrier Lightweight Good impact resistance (stone chipping) Flame retardant
	RBN2350	PP / GF / PA / Nonwoven	235	500	Sound barrier Lightweight Good impact resistance (stone chipping) Flame retardant

## Working with us makes you more competitive. More functionalities, less layers and steps.

- Combination of innovative functionalities
- Material combinations with synergies
- Easy handling
- Faster production
- Lower stock levels
- Simpler warehousing