



Look beneath the surface

Innovative Technology Solutions





Innovative Technology Solutions for the Automotive Industry

Avon Group manufacture an unequalled range of specialist products
that enable its customers to create vehicles that are smoother,
quieter, lighter and more fuel efficient.

Look beneath the surface to find out how...

www.avon-group.co.uk

Outside the vehicle

Using an extensive range of specialist materials, engineered to the most demanding specifications, we manufacture products that meet the requirements of some of the world’s most demanding automotive manufacturers. Reducing noise or vibration, saving weight or offering heat protection; each of our products is designed to perform.

Protection



1

Body protection



2

Wheel protection



3

Internal door protection



4

Wheel arch liners



5

Headlamp & tail lamp gaskets



6

Window & door seals, cowl strips

Specialist Applications



7

Anti-squeak silent tapes



8

Fuel tank foams



9

High temperature reinforced plastics



10

Transmission & under-body protection



11

Engine mounts, bushes & suspension components



12

Engine bay battery covers/ cosmetic covers



13

Bumper & bonnet baffles



14

Fuel connectors & clips



15

Bulkhead insulation



16

Bonnet liner & under-bonnet shield



17

Rubber air ducts

Inside the vehicle

Internally, our extensive range of specially engineered products enhances the quality characteristics of any vehicle. Using high performance, state-of-the-art materials combined with innovative engineering solutions and unrivalled experience in the sector, we’re really able to deliver.

NVH and Trim



18

Seat back



19

Dashmats



20

Glovebox felts



21

Hush panels



22

Console/interior trim protection



23

Headliner



24

Load space & load floor insulation & carpet



25

Parcel shelves & tailgates



26

Transmission tunnel liners



27

Instrument & fascia panel components

Acoustic and Sealing



28

Insulating foams & stuffer blocks



29

Mirror/door insulation



30

Interior trim fittings



31

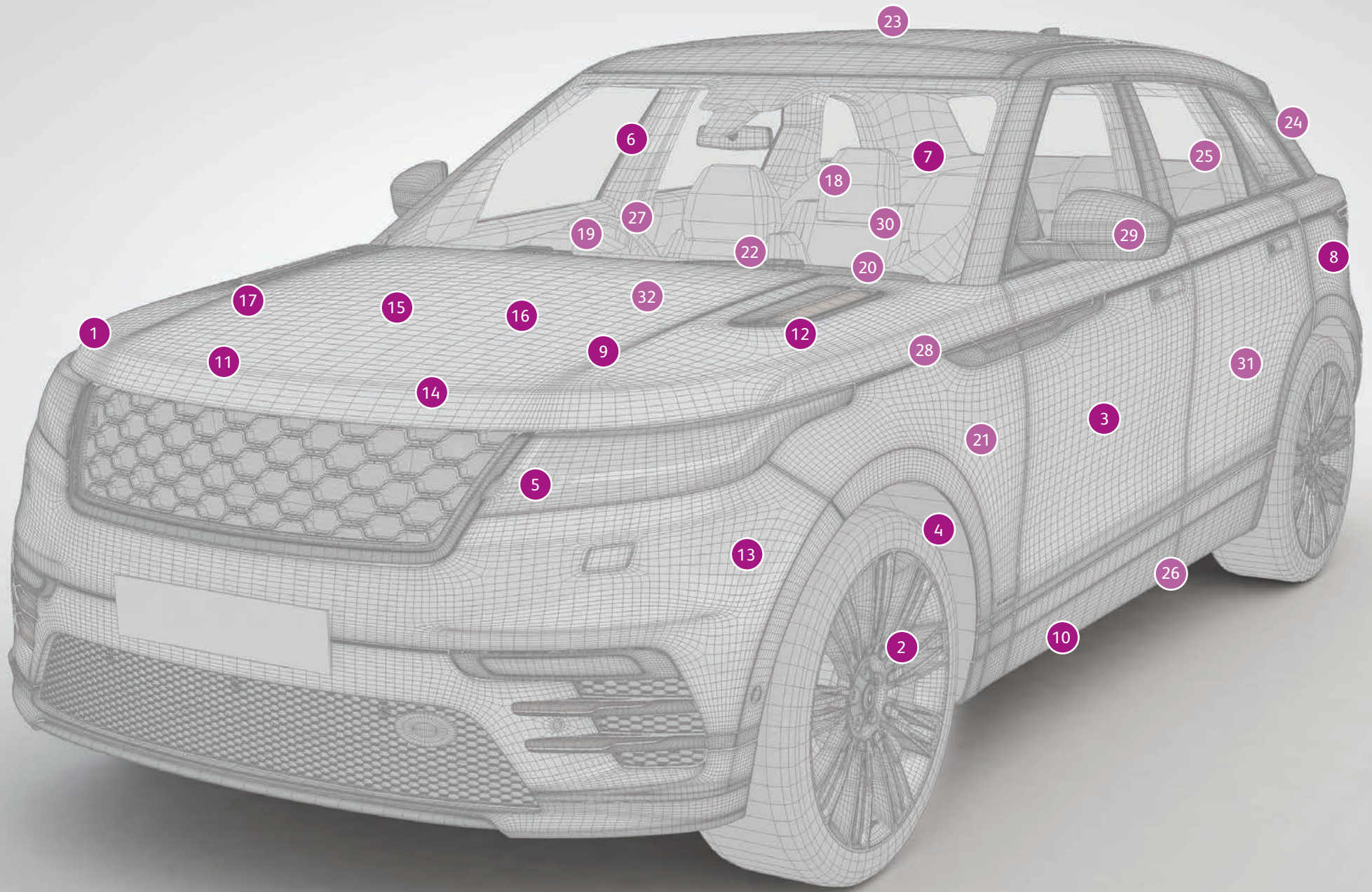
Door water shedders

Ducting



32

Heating & air circulation



	Product category	Construction material	Vehicle location	Application
Outside the vehicle	Protection			
	1 Body protection	Polypropylene and Polythene laminated	Bodywork	Body protection during manufacture/transportation
	2 Wheel protection	HIPS and Polypropylene	Wheels	Protects wheels from damage during manufacture/transport
	3 Internal door protection	Clear PET or PVC	Doors	Protects door skin during assembly, manufacture and transport
	4 Wheel arch liners	Polyester or formed Polypropylene foam	Wheel arches	Lightweight. Noise and thermal insulation
	Gaskets and Sealants			
	5 Headlamp and tail lamp gaskets	Closed cell foams	Lighting	Seals lamps to body, giving effective protection from water ingress
	6 Window and door seals, cowl strips	Rubber, rubber to metal and TPE	Windows and doors	Prevents water ingress and vibration around doors and windows
	7 Anti-squeak silent tapes	Durable, abrasion resistant SA backed tapes	Throughout	Eradicates squeaks and rattles
	Specialist Applications			
	8 Fuel tank foams	Fuel/flammable resistant foam	Under-body	Eradicates fuel tank noise and dampens fuel splashing
	9 High temperature reinforced plastics	PA66 and PPA Nylon	Throughout	A lightweight replacement for metal parts. Excellent temperature resistance
	10 Transmission and under-body protection	Heat pressed glass wool and non woven scrim, light foam and aluminium foil	Under-body	Efficient heat and sound insulator, capable of being moulded into shape
	11 Engine mounts, bushes, suspension components	Rubber to metal and composite bonding	Engine bay, suspension	Reduction of vibration and noise
	12 Engine bay battery covers/cosmetic covers	Oleophobic Polyesters and formed Polyurethanes	Engine bay	Protection, insulation and cosmetic enhancement
	13 Bumper and bonnet baffles	Formed Polyurethane	Bodywork	Lightweight, impact absorption, vibration and noise reduction
	14 Fuel connectors and clips	Dupont high temperature conductive PPA/Nylon	Engine bay	Provides a secure connection to fuel pumps and rails
Inside the vehicle	15 Bulkhead insulation	Polyester, PU foam with aluminium foil	Engine bay	Lightweight Hydrophobic, Oleophobic, acoustic insulation and heat shield
	16 Bonnet liner and under-bonnet shield	PU foam, glass wool	Under-body	Lightweight noise reduction
	17 Rubber air ducts	NBR, low swell EPDM and Varnacs	Engine bay	Flexible, heat resistant, low condensation and fully assembled
	NVH and Trim			
	18 Seat back	Polyester fleece or laminated heavy layer and Polyester	Cabin	Lightweight. Noise dampening
	19 Dashmats	Felt, PUR, heavy layer, Polyester	Cabin	Lightweight. Noise dampening
	20 Glovebox felts	Ultra-thin woven substrate, adhesive backed	Cabin	Lightweight. Noise dampening, cosmetic finish
	21 Hush panels	Formed Polyester/ Polyethylene	Cabin	Lightweight. Noise dampening, cosmetic finish
	22 Console/interior trim protection	Polyethylene foam	Interior	Protects internal components during assembly, manufacture and transport
	23 Headliner	Polyester, fleece and scrims	Cabin	Lightweight. Noise and thermal insulation, cosmetic finish
	24 Load space and load floor insulation and carpet	Non-phenolic re-con felts or Needle Punch and carpet	Boot	Lightweight. Noise and vibration insulation
	25 Parcel shelves and tailgates	Polyethylene fleece, PUR, vacuum formed or die-cut	Boot	Noise and vibration insulation
	26 Transmission tunnel liners	Polyester and heavy layer, formed or die-cut	Floor	Noise, vibration and heat reduction
	27 Instrument and fascia panel components	Injection moulded closures with Polyester or PU foam insulation attached	Cabin	Noise insulation, cosmetic finish
	28 Insulating foams and stuffer blocks	Cut foams vacuumed and heat-sealed into a filmic bag	Throughout	Inserted into awkward spaces for effective noise insulation
	Acoustic/Sealing			
	29 Mirror/door insulation	Compression formed Polyethylene	Cabin	Effective noise insulation and sealing
	30 Interior trim fittings	Foam cut	Cabin	Sealing against noise, vibration and airborne dust
	31 Door water shedders	Formed Polyethylene foam or film with Polyester attached	Doors	Effective dispersion of water inside the door and acoustic damping
	Ducting			
	32 Heating and air circulation	Lightweight formed foam	Cabin	Weight reduction and acoustic insulation, low condensation