



# DIAMAL<sup>®</sup>

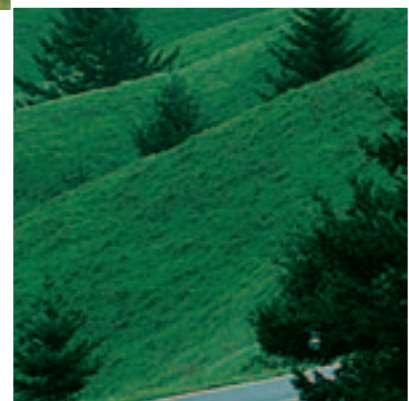
FOR DESIGNERS  
IN THE LEISURE SECTOR



# DIAMAL®

## High-performance material

Aluminium is the future material in the automotive industry that ensures high levels of comfort, longevity, lightness and strength. Diamal® is the result of Alcan's further development of wide pre-painted coil for use in leisure vehicles and offers pre-painted aluminium coils in varying widths. Diamal® is used to produce single-part panels that do not require assembly or joints, whether straight or curved, and that are both leakproof and attractive.





## High-performance insulation for improved efficiency

Diamal® acts like an “active skin” and offers the following essential features:

- leakproof from a surface coated with either a protective primer or even better with a bonding primer more suited for a better adhesion,
- the gloss level on the painted surface reflects heat and improves thermal insulation.

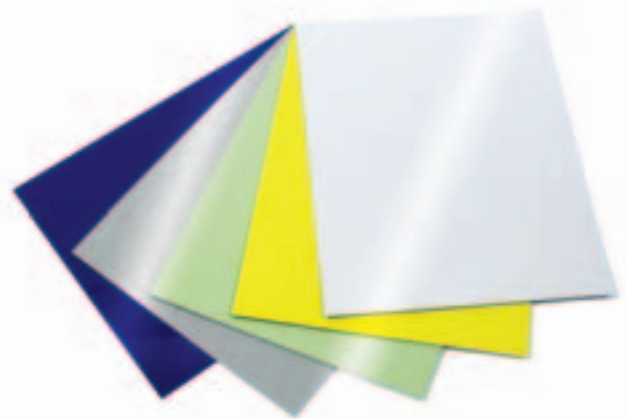
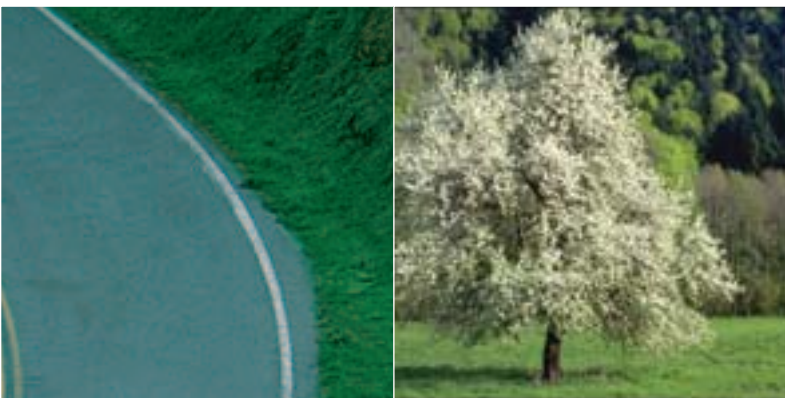
## Environment friendly material

Diamal® is manufactured in a controlled production process that is environmentally friendly. The aluminium with which it is made remains the archetypal recyclable material and plays a natural part in sustainable development.

## Attractive finishes that enhance vehicles

Diamal® is available in a range of light, soft colours that harmonise with automobile bodywork. The single-colour surfaces provide the ideal backing for all types of decoration.

The optional special paint is even more resistant to dirt and can be even easier to clean.



## Controlled strength

Roofs and sides produced in Diamal® can be optimised according to requirements of rigidity, flatness and lightness. The level of hardness and thickness of the material provides the panels with a high level of resistance to external attacks such as hail and scratches.

Even in the event of major local accidental damage, the panels will distort with higher resistance to cracking, thus raising its resistance to leaking.

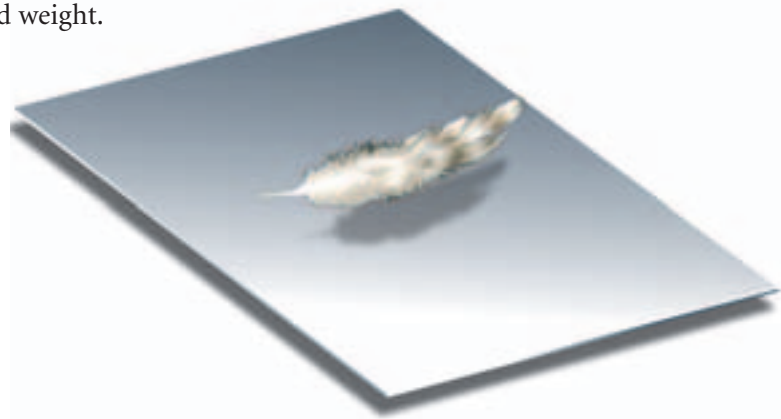


## A concept based on longevity and immediate recognition

The high quality of Diamal® surfaces ensures they withstand the test of time and provide a high level of resistance to corrosion and dirt. With a passage of time Diamal® surfaces retain their attractive appearance and are virtually unscathed by the effects of ageing. As with automobiles, any repairs are possible.

## Economy through lightness

Diamal® is lighter than most materials and reduces the weight of even the most bulky vehicles, such as large camper vans or buses, thus reducing fuel consumption and increasing payload. Roofs that used to be 0.8 mm thick can now be produced 0.6 mm thick thereby reducing material cost and weight.



## A designer's dream

Alcan is a major producer of wide pre-painted aluminium coil for the manufacture of leisure vehicles. Their years of experience and close collaboration with paint manufacturers have given them a unique know-how.

The specifications are designed to enable Diamal® to meet the increasingly demanding requirements of manufacturers, provide service in line with market expectations and offer the possibility of short leadtimes. Diamal® is available in a coil thickness range of: 0.5 to 0.8 mm for the roofs and sides of camper vans and caravans and > 1 mm for coaches and buses. The two alloys currently available in the Diamal® range fulfils the functions of the roof and sides and meet the various economic criteria imposed by manufacturers. Qualities that make dreams come true and open up new horizons.





## ON THE ROAD TO THE FUTURE



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