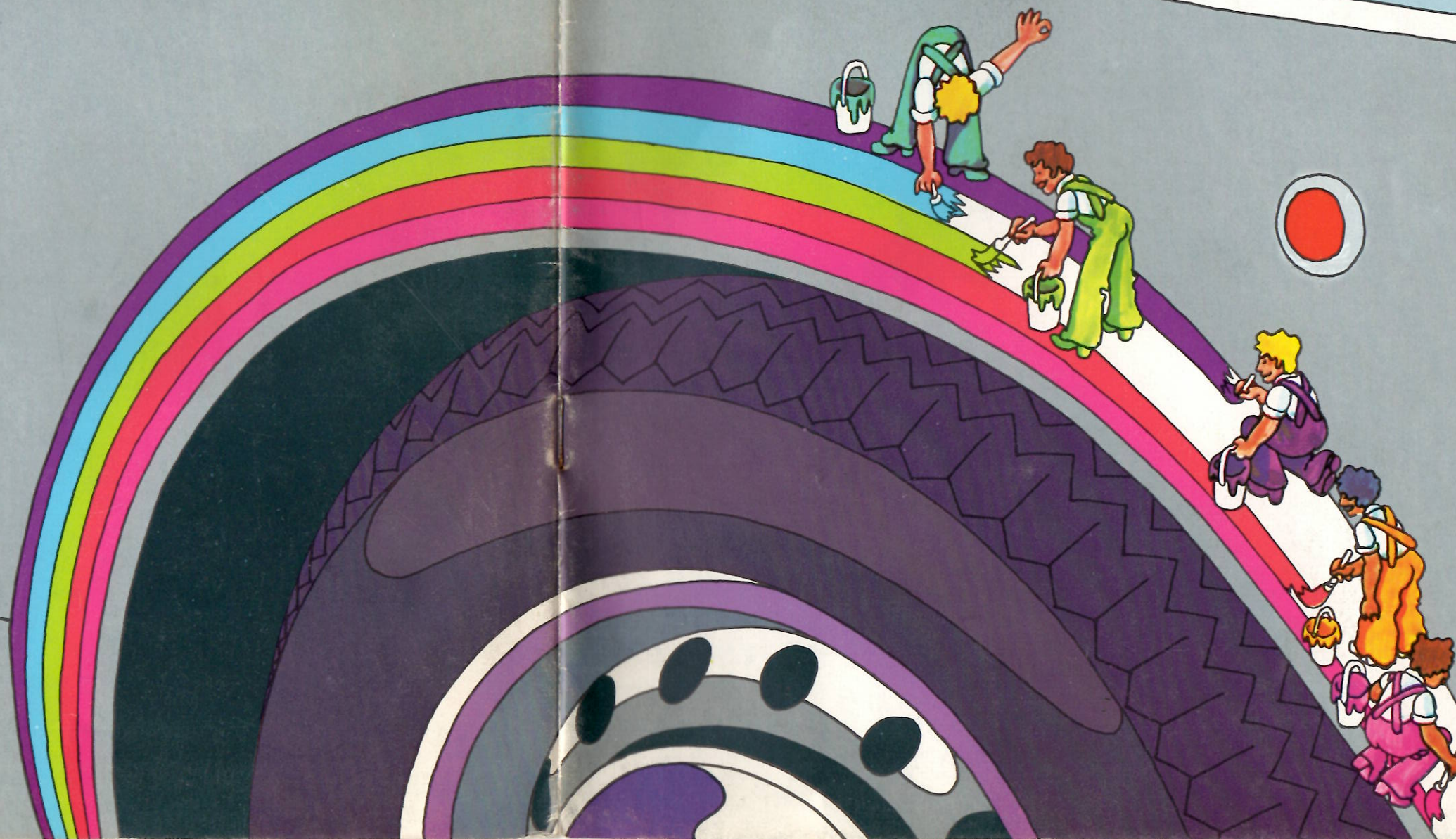


# ***Fiat: to beat rust.***

***Beneath the colour.*** For a car, colour  
means protection too.

Some realise this.  
This brochure is dedicated to all the others.

**FIAT**







elasticity

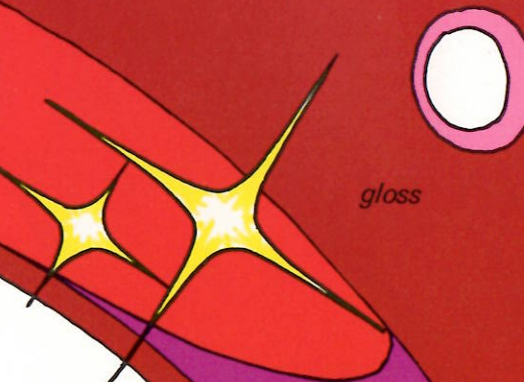


ultra-violet  
protection

smog  
resistance



gloss



What we  
see:

## The enamel

**Brilliant,  
flexible, hard:  
protection  
against the sun,  
the rain,  
the smog,  
the dust—  
you name it...**

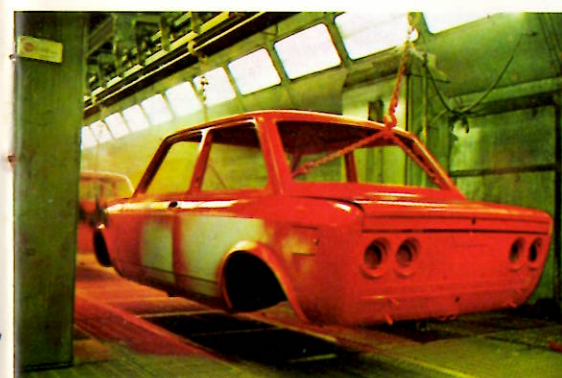


Automatic spray guns apply about 3.5 kg (7 3/4 lb) of paint in three successive applications to the body shell. Baking it in an oven at 130° C (266° F) gives it its resistance, strength, durability, and brilliance. The top coat is about 40-50 microns thick (one micron being one thousandth of a millimetre).



*better covering  
properties*

*surface  
preparation*



**Under  
the top coat:**

**Yet another layer of paint, the one that provides  
the aesthetic and lasting qualities.**

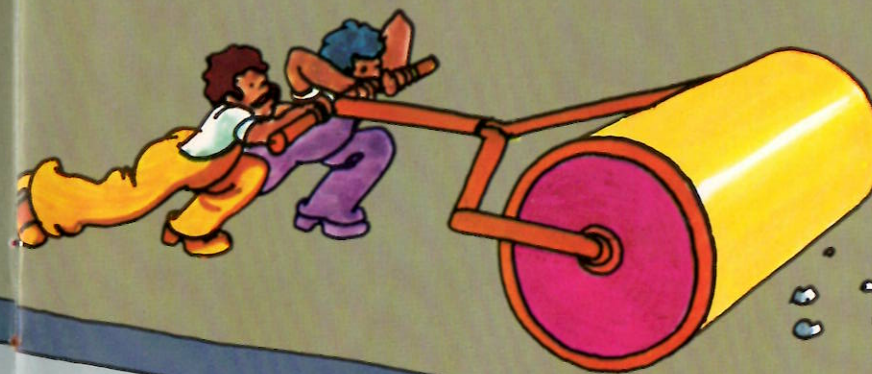
**Undercoat**

*A tinted paint  
that gives  
a better  
final effect,  
introduced  
between  
the finish enamel  
and the protective treatment  
applied to the bare metal.  
Automatically applied  
by spray gun.  
About 30-40 microns thick.*





protection  
from the effects of time



removal  
of abrasions  
from the sheet metal



protection  
from the abrasive  
effect of sand



waterproof

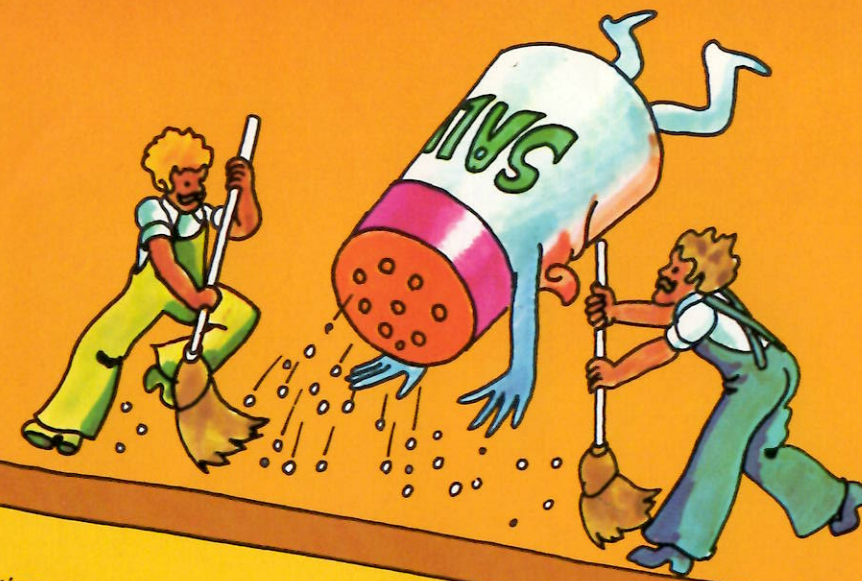
## Primer coat

Seals out humidity,  
sand and the effects  
of time.



Also applied by an automatic spray  
the primer  
offers a further protection  
from humidity,  
absorbs the effects of abrasions  
and preserves the  
sheet metal from the effects of time.





protection  
from salt



protection  
from water



**Undercoat:**  
**Electrophoretic**  
**Salt-proof,**  
**waterproof,**  
**rust-proof.**

*The body shell is completely immersed  
in a vat of anti-rust paint.  
This is deposited on the metal  
by an electrical process.  
In this way even the internal surfaces  
are protected by a uniform layer of paint.*

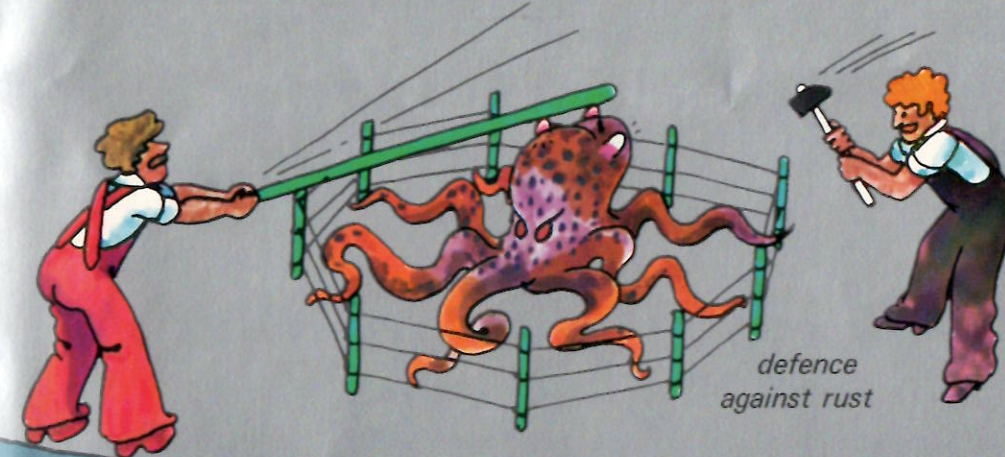




degreasing



sheet metal  
protection



defence  
against rust



## the sheet

The sheet steel, carefully degreased,  
is treated with a chemical  
based on zinc and manganese phosphates  
covering the metal with tightly packed crystals.  
The first, indispensable protection.

The basis of it all:

## Phosphating steel

A tight protective net,  
through which  
the rust cannot penetrate.



# On top of all that...

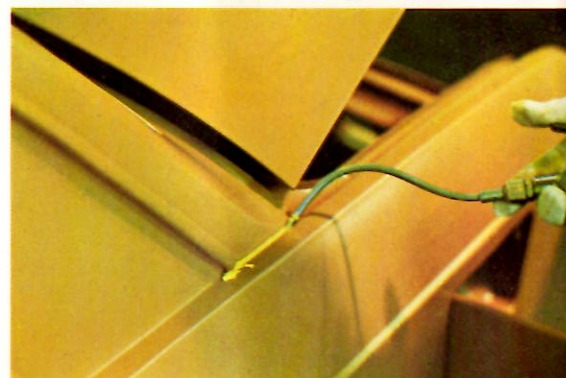


## Underbody protection

**A thick carpet in the most exposed areas.**



The body is not painted underneath. Protection of underbody and wheel arches is entrusted to a special synthetic polyvinyl chloride material which also acts as an anti-drumming compound. Sprayed on after the anti-rust treatment.

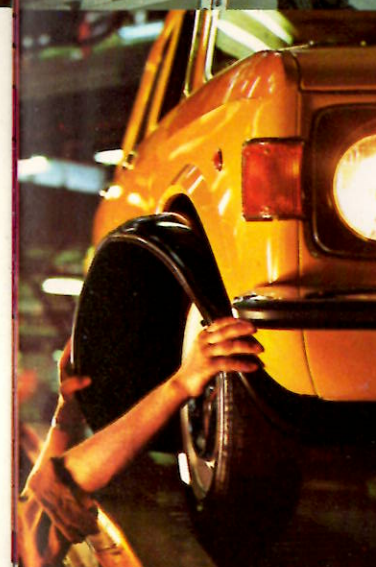
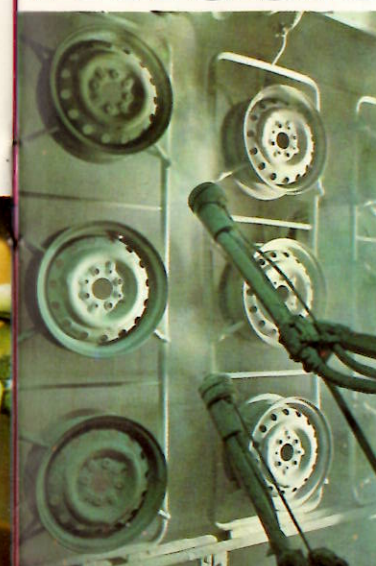


## Sealing

**Why no water penetrates.**

During the painting process, all the welded joints in the steel panelling are covered with mastic sealing compounds. In this way the remotest possibility of water infiltrating the joints is eliminated.

## Wheels



**Specially treated against special risks.**

The wheels are the most exposed items from the corrosion point of view. For this reason they are protected by a layer of epoxy powder paint, or alternatively by electrophoretic treatment and two coats of aluminium paint electrostatically applied. The result is an exceptionally thick layer of protective finish and exceptional anti-corrosion resistance.



## Supplementary wheel arches

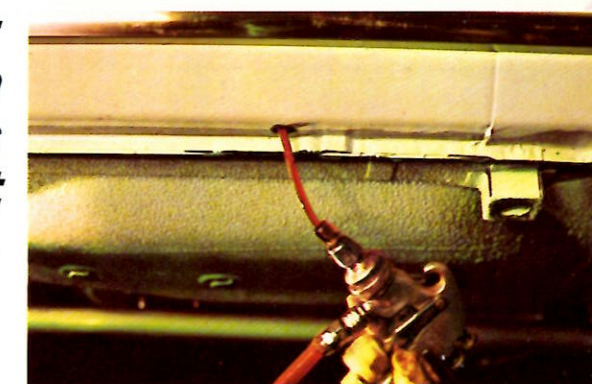
**Made of plastic.**

For those markets where the vehicles are most exposed to the corrosive action of salt spread on the roads, supplementary plastic wheel arches may be fitted as an optional item. Air can circulate around the metal and mud cannot stick to it.



## Anticorrosion wax

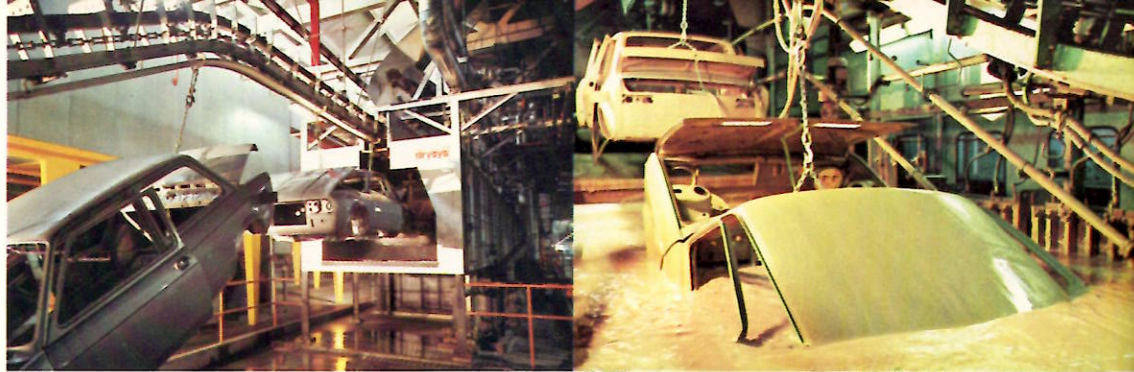
**For protection in the places you cannot even see.**



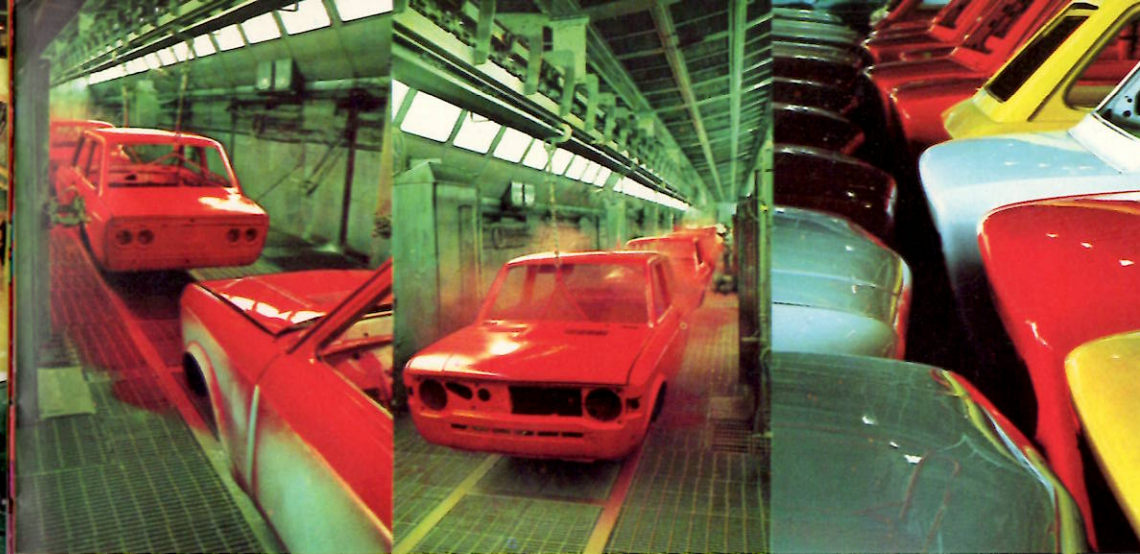
To complete the rust prevention process all the box sections and the doors are injected with a special wax which further guarantees protection of the structure.



# Fiat factories



**and plant  
perfect**



**The most modern  
finishing processes  
to ensure  
results.**

stoving final coat

final coat application

drying oven

undercoat application

underbody protective coat application

primer application booth

sealing compound application

phosphating

final inspection

sound proofing

undercoat stoving oven

undercoat stoving oven

electrophoresis vat

rectification

undercoat stoving

electrophoresis stoving



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Descriptions and illustrations in this brochure are of an indicative nature only and shall not be held binding.

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