



100% RECYCLED PET

Care for the future

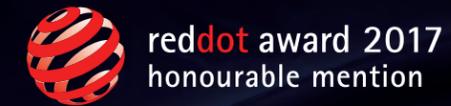


PREVIEW 2021

Care for the future

IN 2015
3B'S RESEARCH DEPARTMENT
DEVELOPED RESPET®
100% RECYCLED PET.
THIS WAS RECOGNISED
BY THE INDUSTRY AS THE 1ST

IN 2017
3B WAS AWARDED WITH THE RED DOT



AFTER 6 YEARS
1 BILLION
BOTTLES OF PET
HAVE BEEN REPROCESSED

3Bspa.com



**ONCE UPON A PET.
THE LEADING TECHNOLOGY
FOR DOORS AND PANELS
IN 100% RECYCLED PET**



HOW MANY EARTHS DO WE NEED?

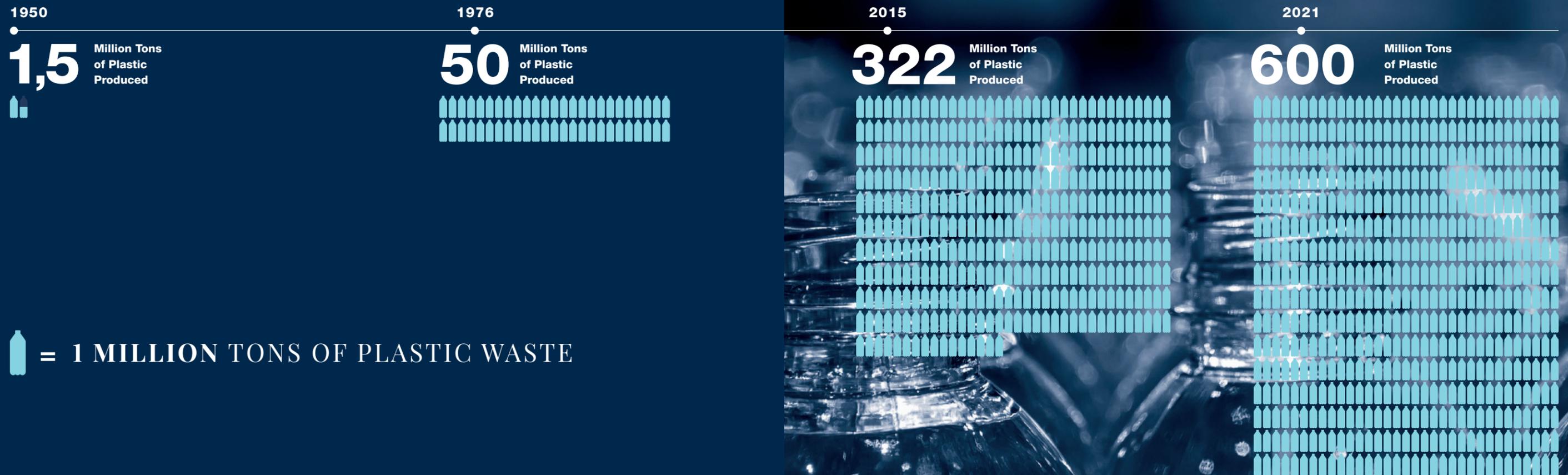
THE WORLD'S POPULATION
IS GROWING.
AND, WITH IT, WORLD CONSUMPTION.

THUS THE USE OF PLANET'S
NATURAL RESOURCES
IS INCREASING AT AN ALARMING RATE,
MEANING THESE RESOURCES ARE
UNDERGOING PROGRESSIVE
AND INCREASINGLY-WORRYING DEPLETION.

AIR POLLUTION,
OVEREXPLOITATION OF FORESTS,
OVERFISHING: DATA REVEALS
TO SUPPORT GLOBAL
CONSUMPTION TODAY,
WE WOULD NEED 1.6 EARTHS.

Source: WWF, Dicembre 2016.

THE PRODUCTION OF PLASTICS HAS GROWN STEADILY FROM THE 50'S TO TODAY



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EACH YEAR OVER 100 BILLION PET BOTTLES ARE CONSUMED.

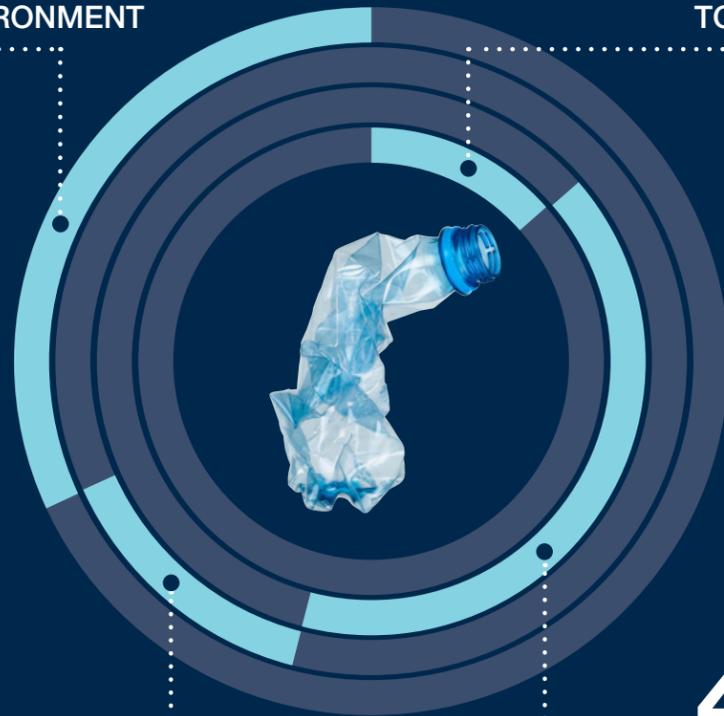
ONLY 14% OF PLASTIC WASTE IS RECYCLED.
AND WHAT ABOUT THE REST?
THE REST IS DISPERSED.

32%

TO THE ENVIRONMENT

14%

TO RECYCLING



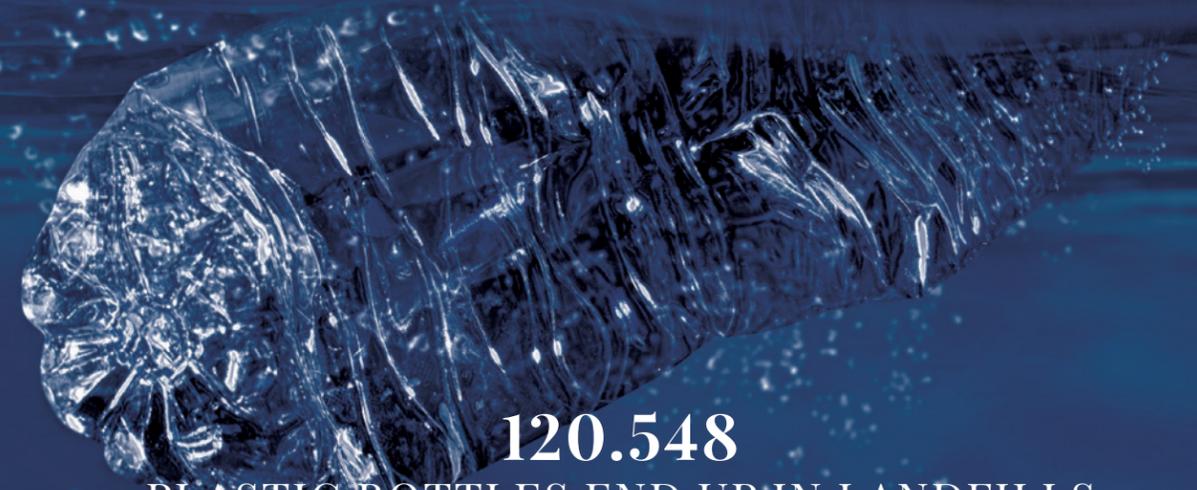
14%

TO INCINERATORS

40%

TO LANDFILLS

respet®



120.548

PLASTIC BOTTLES END UP IN LANDFILLS
OR THE OCEAN EVERY MINUTE.

150 MILLION TONS

IS THE APPROXIMATE WEIGHT OF THE TOTAL AMOUNT
OF PLASTIC REFUSE IN THE SEAS OF OUR PLANET.

1000 YEARS

IS THE TIME IT TAKES
FOR A SINGLE PLASTIC BOTTLE TO BIODEGRADE.
SO EVERY PIECE OF PLASTIC EVER
CREATED STILL EXISTS TODAY.



3B
ITALIA

**EVERY PIECE OF PLASTIC
EVER MADE STILL
EXISTS TODAY.**



**IT WAS AN ETHICAL ISSUE.
NOW IT IS AN ACT.**

The 7th Environment Action Programme sets the following priority objectives for waste policy in the EU:

- TO REDUCE THE AMOUNT OF WASTE GENERATED
- TO MAXIMISE RECYCLING AND RE-USE
- TO LIMIT INCINERATION TO NON-RECYCLABLE MATERIALS
- TO PHASE OUT LANDFILLING TO ONLY NON-RECYCLABLE AND NON-RECOVERABLE WASTE
- TO ENSURE FULL IMPLEMENTATION OF THE WASTE POLICY TARGETS OF ALL MEMBERS

In 2017, the Commission will continue to deliver on the Circular Economy Action Plan. This will include the presentation of a strategy for plastics in the circular economy, an assessment of options for the improved interface between chemicals, products and waste legislation, a legislative proposal on water reuse and a monitoring framework on circular economy.

EVERYONE CONSUMES.

EVERYONE INFLUENCES
OUR PLANET'S HEALTH.
EVERYONE CAN MAKE
THE DIFFERENCE.

WE WANT TO MAKE IT.

FACED WITH THESE SCENARIOS,
THE POSSIBLE SOLUTION STRATEGIES
ARE THOSE THAT INVOLVE
THE BEHAVIOUR OF EVERY PERSON.

EVERYONE CAN HELP TO SAFEGUARD
THE HEALTH OF THE PLANET BY TRYING
TO LENGTHEN THE LIFE CYCLE OF PLASTIC,
AVOIDING DISCARDING IT
IN THE ENVIRONMENT AFTER A SINGLE USE,
AND CORRECTLY RECYCLING THE WASTE.

AND BY BUSINESSES,
BY EXPERIMENTING WITH INNOVATIVE
TECHNOLOGIES THAT CAN OPTIMIZE
PROCESSES OR CREATE ALTERNATIVES.

WE HAVE DONE THIS.

**WE ALWAYS
THROW BOTTLES AWAY.
NOW WE CAN GIVE THEM
A NEW LIFE.**

3B DEVOTED TWO YEARS OF RESEARCH
AND TESTING OF PLASTICS AND BIOPLASTICS.

THE PROCESS BEGAN WITH THE AIM
OF ACHIEVING SUSTAINABLE PRODUCTION
DECISIONS IN LINE WITH A CORPORATE
VISION THAT HAS CONSISTENTLY BELIEVED
IN THE VALUE OF CONTRIBUTING
TO PRESERVING PLANET'S WELL-BEING.

FROM THESE STUDIES WE OBTAINED
A TECHNOLOGY THAT CHANGES
THE LIFE-CYCLE OF PLASTIC BOTTLES
FOREVER, TURNING THEIR END INTO
A NEW BEGINNING.

**SCIENTISTS PREDICT THAT,
IN 2050, THE SEA WILL CONTAIN
A RATIO OF 1 KG OF PLASTIC
FOR EVERY KG OF FISH.**

Data: World Economic Forum

**CONSERVES NATURAL RESOURCES
PRESERVING THE ENVIRONMENT
FOR FUTURE GENERATIONS.**

**REDUCES THE NEED FOR LANDFILLS
AND INCINERATORS BECAUSE WHEN MATERIALS
ARE RECYCLED, LESS WASTE IS SENT TO
DISPOSAL FACILITIES.**

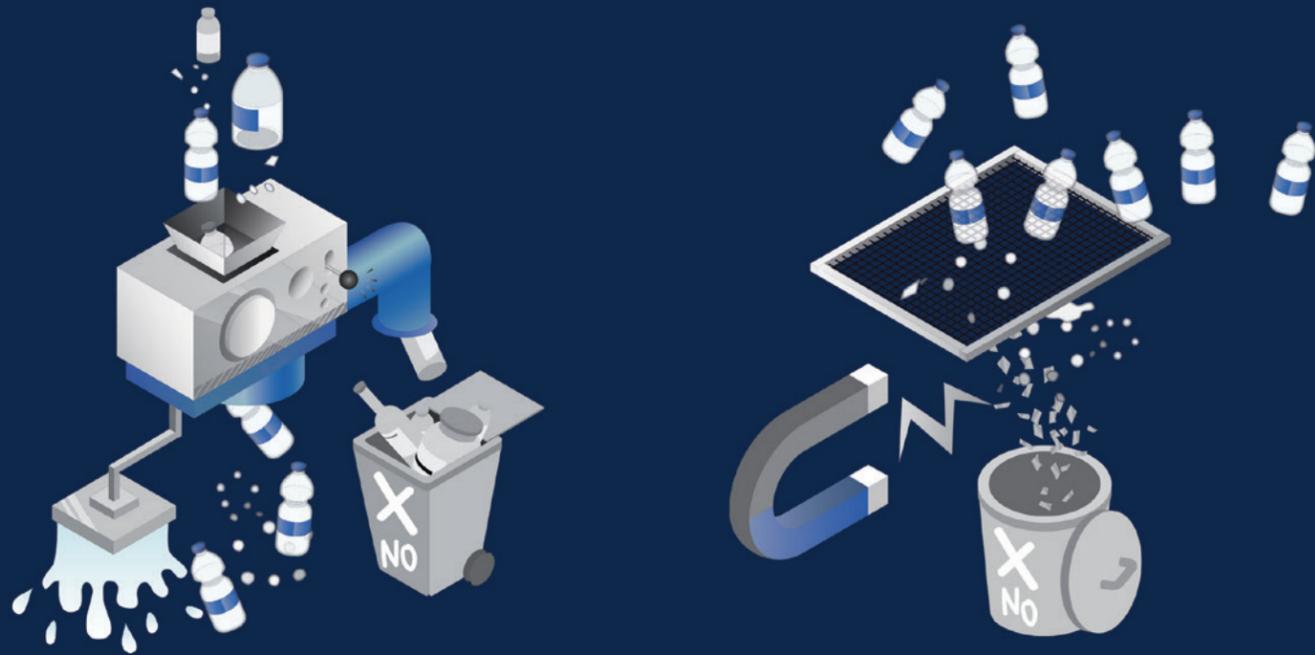
**PREVENTS POLLUTION
AND REDUCES GREENHOUSE GAS EMISSIONS
CAUSED BY THE EXTRACTION AND PROCESSING
OF RAW MATERIALS.**

**SAVES ENERGY
ELIMINATING THE NEED TO EXTRACT
AND PROCESS RAW MATERIALS.**

RESPET® CARE FOR THE FUTURE. THE FIRST PANEL MADE WITH 100% RECYCLED PET.

FROM BOTTLE TO FURNITURE.

A PIONEER IN THE FIELD, 3B INTRODUCES TO THE MARKET TO RESPET®, THE FIRST PANEL OBTAINED USING A RESIN IN 100% RECYCLED PET



From plastic water bottles,
through a process of

- FRAGMENTATION
- PURIFICATION
- EXTRUSION

we create
laminates of recycled PET that can
be reused to manufacture doors
and furniture components.



01

Collection
of PET bottles

02

Analysis
and choice
of bottles.

03

Cleaning
of impurities

04

Elimination
of metals

05

Elimination
of labels

06

Elimination
of caps

07

Crushing
to obtain
flakes

08

Creation
of the sheet
by extrusion
of the flakes

09

Lamination
or thermoforming
of the sheet layer
on the panel

10

Marking of the door
or component
to guarantee quality
and item traceability

Care for the future

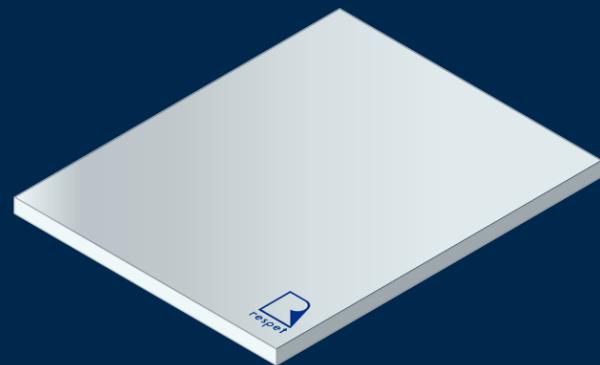
WHERE PET ENDS THE FUTURE BEGINS.

RESPET® IS THE ECO-FRIENDLY
TECHNOLOGY THAT:



25

HALF-LITER PET BOTTLES ARE RECYCLED AND REUSED



1

CREATE ONE MEDIUM-SIZED DOOR

By recycling PET, the overall process of plastic disposal is reduced.

To create one medium-sized door with RESPET®
25 HALF-LITER PET BOTTLES ARE RECYCLED AND REUSED.

> 0,5 lt 

-60% 

It does not use fossil fuels, those non-renewable sources the use of which compromises their availability for future generations. Compared to conventional technologies, the manufacturing of one door with RESPET® saves half a liter of oil.

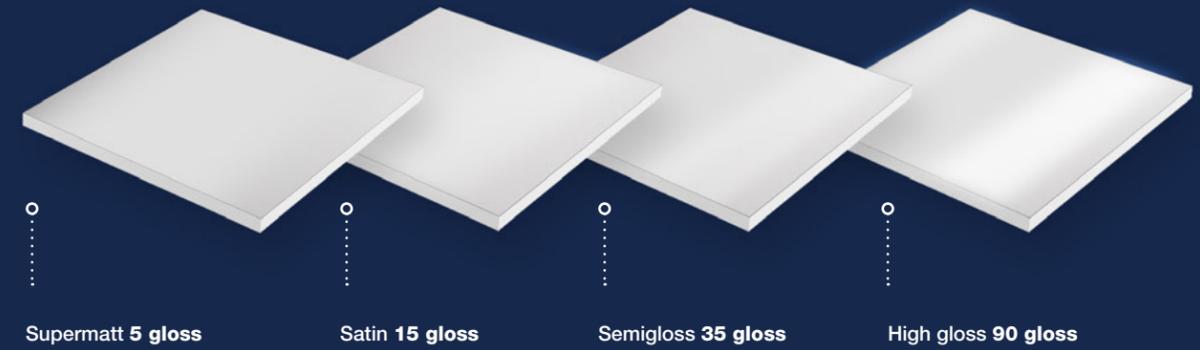
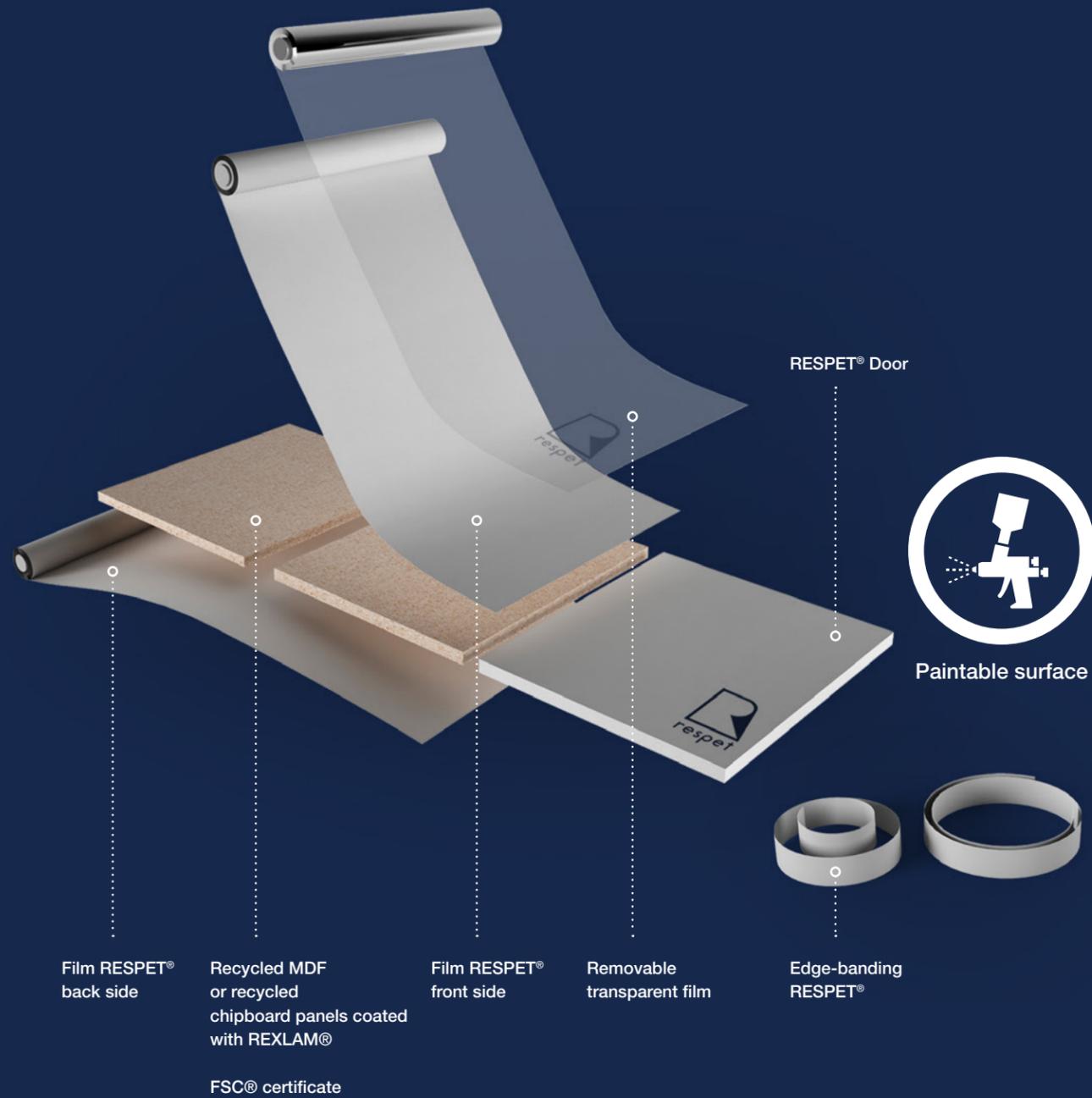
Compared to newly-manufactured PET, RESPET® allows a 60% reduction in CO2 emissions.

 respet®

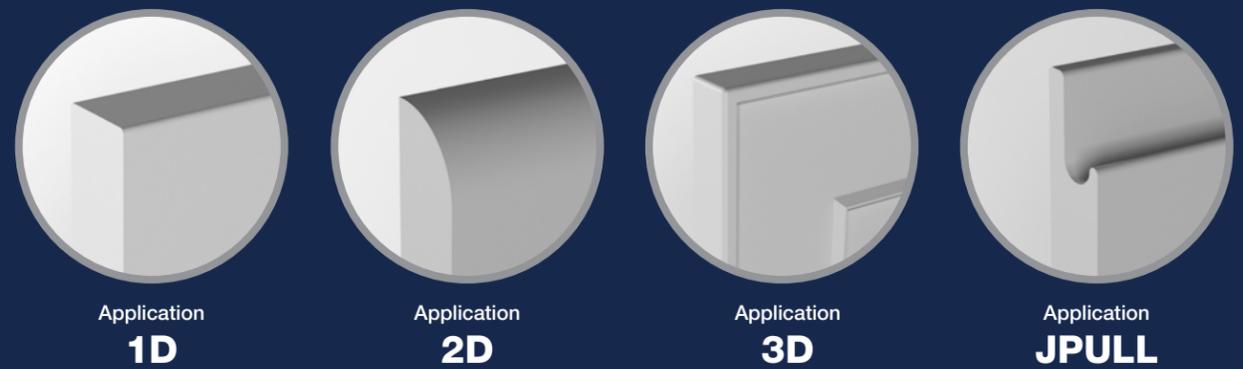


AVAILABLE IN ALL COLOUR VARIATIONS, IN GLOSS AND MATT FINISHES,
 CUSTOMIZABLE WITH WOOD PRINTS AND ABSTRACT PATTERNS,
 HIGH PERFORMANCE ON SMOOTH SURFACES AS WELL AS SHAPED SURFACES
 AND UNDERCUT PROFILES.

DOORS



APPLICAZIONI



PANELS

Panel dimension

H **2780** W **1220** TH **18 mm**

SKINS
Coating film



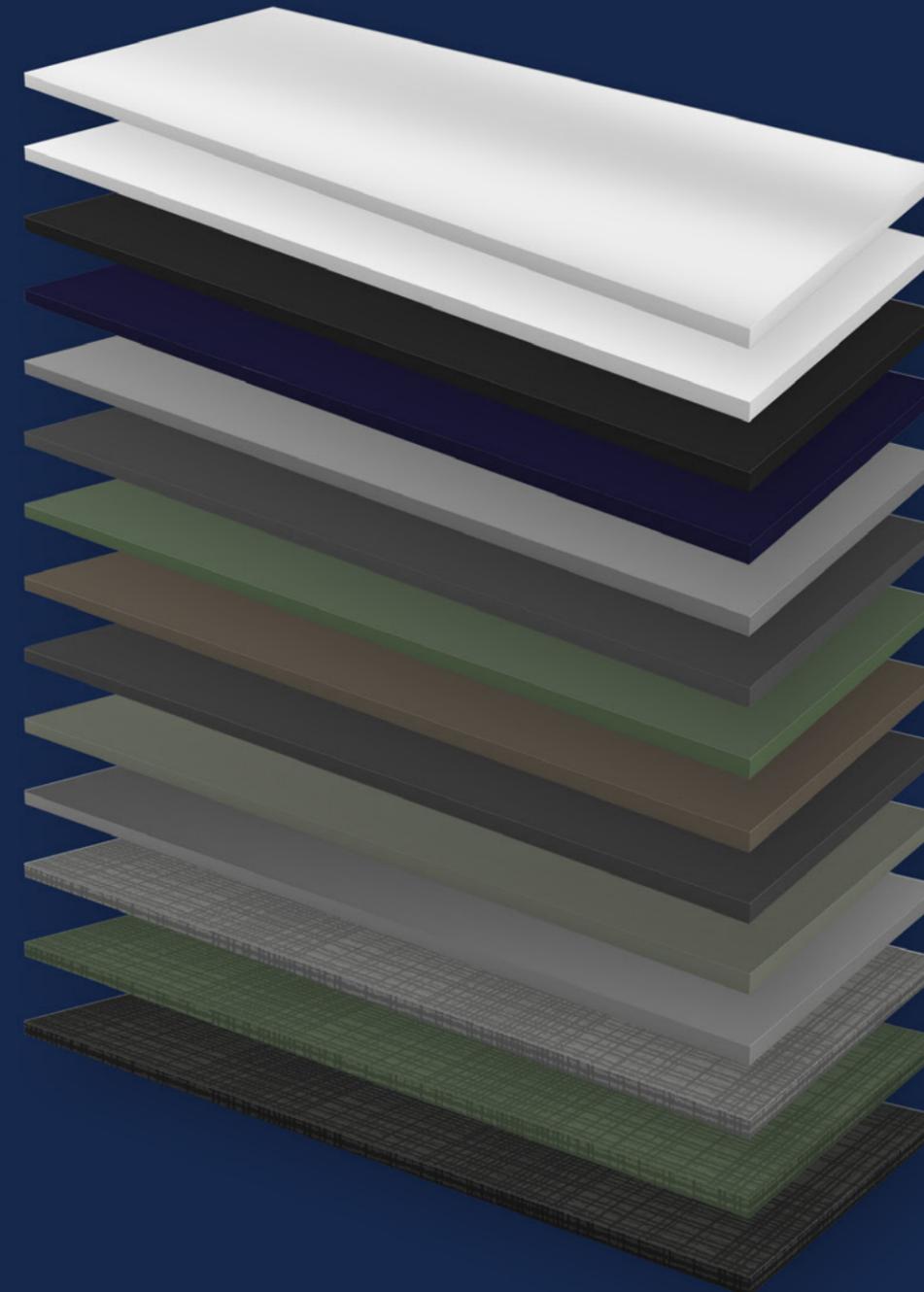
Edge-banding
RESPET®

Recycled MDF
or recycled
chipboard panels coated
with REXLAM®

Film RESPET®
front side

Removable
transparent film

FSC® certificate



- 100 _ White gloss
- 110 _ White matt
- 150 _ Black matt
- 120 _ Blue matt
- 130 _ Light grey matt
- 140 _ Graphite
- 160 _ Green matt
- 161 _ Grey beige
- 162 _ Dark grey
- 163 _ Pebble grey
- 164 _ Light grey HG
- 165 _ Stripes grey
- 166 _ Stripes green
- 167 _ Stripes black

Care for the future

 respetch®

**PROPER RECYCLING
REAPS BENEFITS
FOR BOTH THE ENVIRONMENT
AND HEALTH.**

RESPET® PANELS
ARE AVAILABLE
IN ALL TYPES OF FINISHES,
AND WITH THE SAME INTRINSIC
QUALITIES OF A NEW MATERIAL.

Care for the future

respet®



Care for the future

respet®



**1.000 sqm
R&D DEPARTMENT
AND LABORATORY**

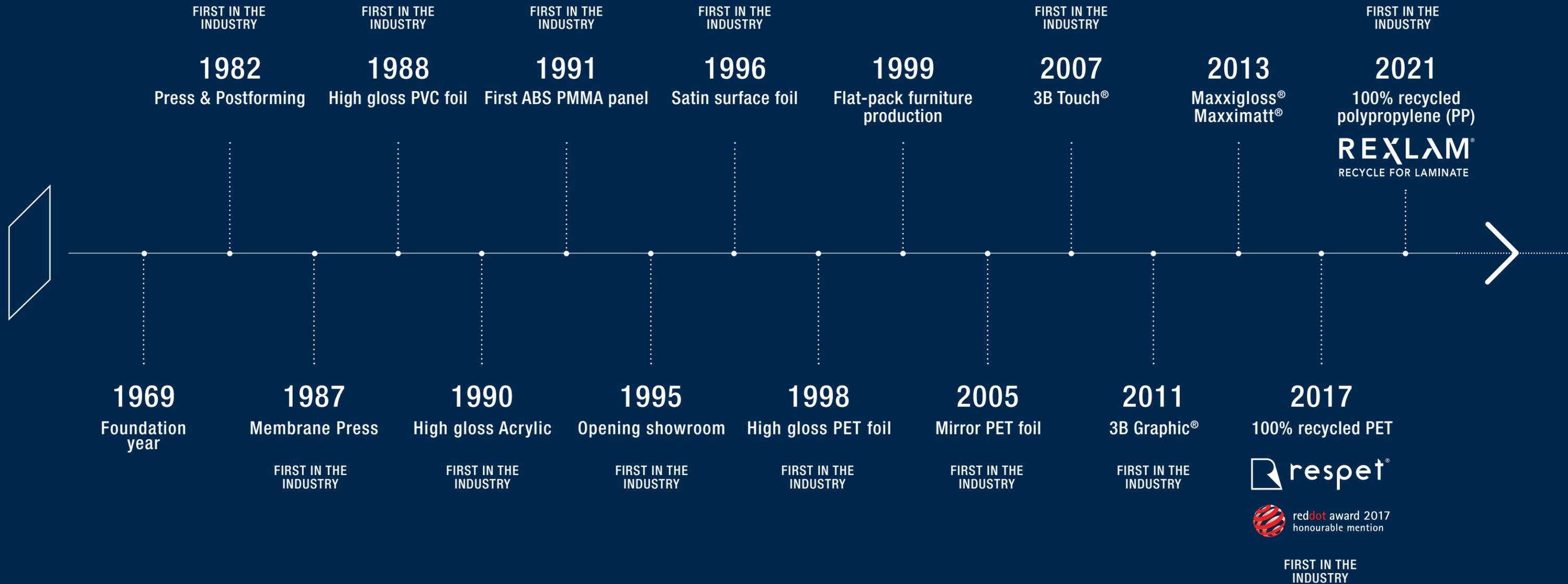


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GREEN ACTION





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