

AGRIBUSINESS SOLUTIONS

Delivers more protection, conservation and
savings for the entire chain



 **FarmFresh**
Harvest freshness to table

EPS CONSERVERS FOR FRUITS, LEGUMES AND VEGETABLES (FLV)

From harvest to storage and transport, FarmFresh conservers delivers fresher, tastier and more nutritious food to the end consumer's table. All FarmFresh products have a patent granted or required.

(*) The FarmFresh brand is commercialized in Brazil under the name DaColheita. Images related are for illustrative purposes.



WORLDSTAR
WINNER 2019



Used for grapes, lychees and kiwis



9584	10014
Northeast	South, Southeast
5 kg	
60 x 40 cm	



Punnet and tray



9791
2 kg
40 x 25 cm



Punnet



8146	7716
South, Southeast	
8 kg	
50 x 40 cm	

Used for bulk fruits



9637
2,5 kg
40 x 30 cm

FARMFRESH CONSERVERS ADVANTAGES

- ✓ Not hygroscopic. Decreases FLV weight loss
- ✓ Approximately 4 times lighter than cardboard box
- ✓ Increases shelf-life up to 45 days (within the cold chain)
- ✓ Protects against sudden temperature changes
- ✓ Up to 20% longer shelf-life
- ✓ Reduction in freight cost and GHG emissions in transport
- ✓ Increases turnover at the point-of-sale
- ✓ Reduces losses and waste in the chain



Used for mangoes and dragon fruits



Used for papayas and dragon fruits



9659
3,5 kg
34 x 27 cm

Used for apples



9638	9727
9 Kg	18 kg
50 x 33 cm	50 x 33 cm



9369
9 kg
50 x 34 cm

Used for limes and dragon fruits



10041
4,5 kg
35 x 28 cm

Used for dragon fruits



10132

4 kg

40 x 30 cm

Used for avocados



9976

4 kg

35 x 29 cm

Used for figs



9487

1,2 kg

34 x 25 cm

Used for stone fruits



9089

6 kg

40 x 33 cm

Used for strawberries



9596

1 kg

33 x 24 cm

Used for cashew, kakis, star fruits, pomegranates, guavas



9435

2,5 kg

40 x 25 cm

Used for papayas and avocados



6841

10 kg

60 x 40 cm

Used for grapes and formosa papayas



10600

8 kg

50 x 40 cm

Consult our commercial team to use the conservers for other fruits and vegetables, different from those illustrated in the photos.

PROVEN ADDED VALUE

*Sources of comparative studies:



AgroTropical
Inspection & Quality Control



the fruit
consultants



MANGOES COMPARATIVE STUDY*

COMPARISON CRITERIA	EPS	CARDBOARD
Maturation Process is slower in the EPS	70% Fruits still good for consumption	30% Fruits still good for consumption
Texture/Firmness Fruits still good for consumption after testing period	50%	30%
Quality Preservation of fruits still good for consumption	40 Days	28 Days
Shelf-Life	25% More time to reach the risk of rejection condition	



PAPAYAS COMPARATIVE STUDY*

COMPARISON CRITERIA	EPS	CARDBOARD
Maturation Process is slower in the EPS	9 Days	6 Days
Skin Color Uniformity in the EPS	50% Green 50% Yellow	30% Green 70% Yellow
Rottenness	1.5x More rotten spots found on fruits from cardboard boxes	
Mold	2x More mold found on fruits from cardboard boxes	
Shelf-Life		+33% EPS conserves fruits for longer



GRAPES COMPARATIVE STUDY*

COMPARISON CRITERIA	EPS	CARDBOARD
Texture/Firmness Fruits good for consumption after 8 weeks	100%	85%
Stem Condition After 8 weeks	GREEN	BROWNISH
Quality Score After 6 weeks	Suitable for the market	Subject to complaints
Shelf-Life	50% EPS conserves fruits for longer	



LIMES COMPARATIVE STUDY*

COMPARISON CRITERIA After approximately 1 month of testing	EPS	CARDBOARD
Oleocelose	5%	20%
Mold	20%	35%

Texture

8x of fruits firmer in EPS conser

Fruit Color

20% Greener **50%** Less Yellowing

Shelf-Life

+17% EPS preserves fruit longer



FIGS COMPARATIVE STUDY*

COMPARISON CRITERIA	EPS	CARDBOARD
Maturation Advanced maturation fruit after 13 days	15%	30%
Texture/Firmness Fruits with an inappropriate texture for trade after 8 days	10%	20%
Quality Preservation of fruits still good for consumption	8 Days	5 Days
Shelf-Life	60% More time to get to rejection risk condition	

UPALLY – PLATFORM FOR LOGISTICS HANDLING

Addressing restrictions imposed on other materials and also guaranteeing cost savings in transport are the differentials of the logistics handling platform in EPS, UPALLY (2 or 4 entry points).



EFFICIENCY IN TRANSPORT AND STORAGE

UPALLY's use in producers from the São Francisco Valley has demonstrated potential to reduce logistics costs.

- Replacing wooden pallets by UPALLY provides close to 90% reduction in weight, from 30 to 3.3 kilograms, **significantly reducing air freight costs paid by weight.**

- Greater energy efficiency. In products stored in a cold room, UPALLY consumes **nine times less cold than wooden pallets.**



**One way,
No Reverse
Logistics
Required**



**Reduced
transport and
handling costs**



**Agility in
operations**



**Up to 90%
lighter**



**Is not referenced
in the Federal
Revenue
Ordinance
of "IPPC
Merchandise"**



**PBR standard and
the possibility
to customize
dimensions and
logos**



**No nails and
eliminates
fumigation**



**Easy cleaning,
does not
damage
packaging**



**More ergonomic,
eliminates the
need for forklift
handling unladen**



**Lower cold
and electricity
consumption in
cold rooms**



**UP TO 30% REDUCTION IN AIR
FREIGHT COST (varies according
to the country and FLV).**

Export partner





AND MUCH
technology!

CIRCULAR ECONOMY

Composed of 98% air, EPS causes no harm to the ozone layer and uses no CFC and HCFC in its manufacturing process, as well as helping to reduce CO₂ emissions into the atmosphere. It's a type of plastic 100% recyclable.

98% AIR, 100% SUSTAINABILITY



SCOPE OF BRAZIL'S EPS RECYCLING PROGRAM

Termotécnica is aligned with the circular economy concept and seeks, through its actions, to extend the life cycle of materials, avoiding the exploitation of new finite resources. Within this practice, the company has promoted, since 2007, the EPS Recycling Program, an initiative that pioneered a network of partners to enable collecting and recycling EPS.

GLOBAL ALLIANCE FOR RECYCLING



Termotécnica is a member of the Global Packaging Alliance, a partnership among the leading EPS manufacturers to exchange recycling technologies and solutions. Several organizations in more than 30 countries around the world have signed the International Agreement on Recycling, strengthening the commitment to the circular economy. Check out main recyclers and partners in this initiative!



BRAZIL



goo.gl/R82sX9



UNITED STATES



is.gd/TLYyVC



EUROPEAN UNION



GERMANY



UNITED KINGDOM



ESPAIN



FRANCE



NETHERLANDS



PORTUGAL

For more details about recyclers in Europe, please contact our sales team.

YOUR BEST PARTNER

Termotécnica, a world-class Brazilian company, is the Latin American leader in EPS packaging manufacturing. Since 1961, it has been transforming innovation into sustainable solutions that pack, protect and condition products with quality. Agribusiness is the market that has shown the greatest growth in using this type of solution in recent years.

ADVANTAGES OF EPS



**Thermal insulation
providing ideal
temperature
conditions**



**Packaging that
protects against
impacts and
vibrations**



**Compression and
moisture resistant
material**



**Material hinders
bacterial growth**



**Continuously
100% recyclable**

INSTITUTIONAL COMMITMENTS

Termotécnica's Sustainable Strategy for growth is based on three pillars: Valuing People, Business Continuity and Circular Economy. The company also works with entities and initiatives focused on producing innovative and sustainable solutions.



**Pacto Global
Rede Brasileira**



THE GLOBAL GOALS

For Sustainable Development

Termotécnica's actions and progress contribute to 14 of the 17 UN Sustainable Development Goals.



To learn more about sustainability at Termotécnica, access the complete Sustainability Report at www.termotecnica.com.br/relatoriodesustentabilidade

Agribusiness Solutions



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