

PRODUCT LAUNCH tesa[®] 4713 CST WITH PAPER FROM SUSTAINABLE SOURCES

Launch Presentation – tesa[®] 4713

tesa[®] 4713 CST WITH PAPER FROM SUSTAINABLE SOURCES



Reliable, competitive and environmentally friendly

- · High-performance packaging tape for light-weight cartons
- Competitive solution suitable for industrial applications
- Backing material made with responsibly sourced,
- FSC®-certified paper
- Recycling-friendly tape according to INGEDE Method 12

LAUNCH OVERVIEW

tesa® 4713



- Market Challenges & Trends
- Product Introduction
 - Why is tesa[®] 4713 sustainable?
 - Product features & Benefits
 - Certificates

Sustainable CST

- Sustainable features
- FSC®-Certification
- FSC® Label & Benefits
- Cardboard Recyclability
- Cardboard Recycling Process



MARKET CHALLENGES & TRENDS



Industry Challenges

- Sustainability has become a main pillar in the business strategy of many companies
- Very challenging sustainability goals have been set for the next 10 to 15 years
- Local regulations around packaging solutions leading to changes in packaging materials

Consumer Trends

- Increasing public concerns about plastic pollution and packaging waste
- Strong initiatives for plastic reduction and plastic elimination
- Consumers demand more and more eco-friendly solutions

Market Situation

- Increasing market demand for paper packaging tapes worldwide
- Paper CSTs sales have grown steadily during the past years
- Competitors are continuously extending their paper CST assortments









Why tesa[®] 4713?

- To expand our range of sustainable products to satisfy market trends and demands
- To support customers meet their sustainability goals
- To mitigate public concerns about plastic pollution and packaging waste

What is tesa® 4713?

- tesa[®] 4713 is a paper CST suitable for packaging applications up to 10 Kg.
- FSC[®]-certified paper backing with a natural rubber adhesive
- Solvent-free coating process

Reasons to purchase tesa® 4713

- First CST with FSC[®]-certified paper backing in the market
- It can be disposed with the cardboard without endangering the recycling process (certified)
- Very good performance proven internally and externally









tesa® 4713 in a Nutshell



tesa® 4713 CST with Paper From Sustainable Sources

Environmentally friendly tape (FSC[®]-certified paper / recyclable friendly)

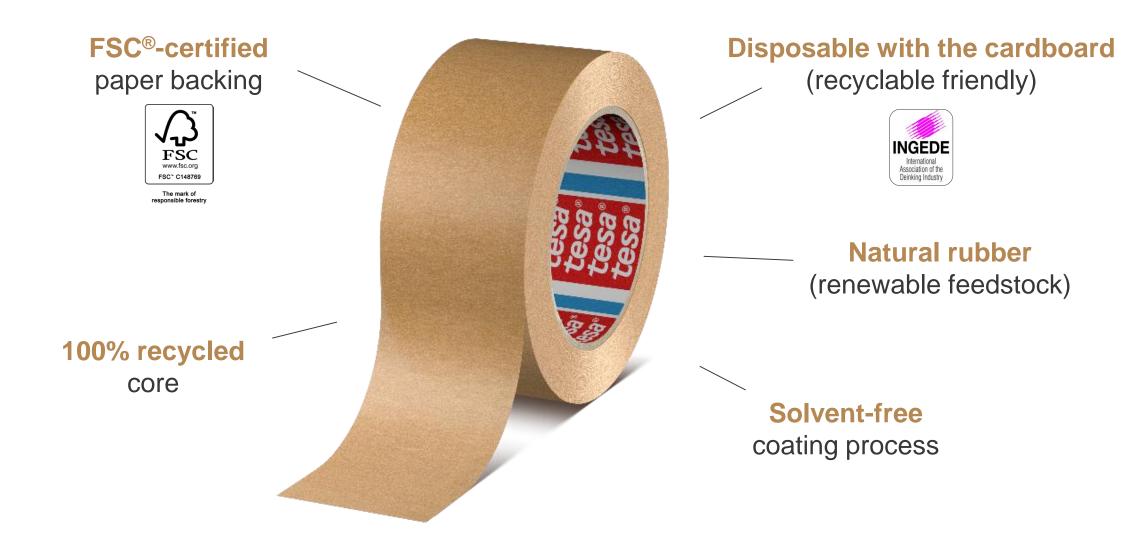
Excellent adhesion on different cardboard qualities

Printable with different types of ink systems

Perfect solution for companies transitioning to more sustainable businesses

Why Is tesa[®] 4713 Sustainable?





Product Features



Product Name		tesa [®] 4713
Backing		FSC [®] -certified paper
Adhesive		Natural rubber
Color		
Backing thickness	μm	94 µm
Total thickness	μm	125 µm
Adhesion to steel	N/cm	2.8
Tensile strength	N/cm	30
Elongation at break	%	10





Sealing of cardboxes (light-weight)

Printable



Manual & Automatic Application



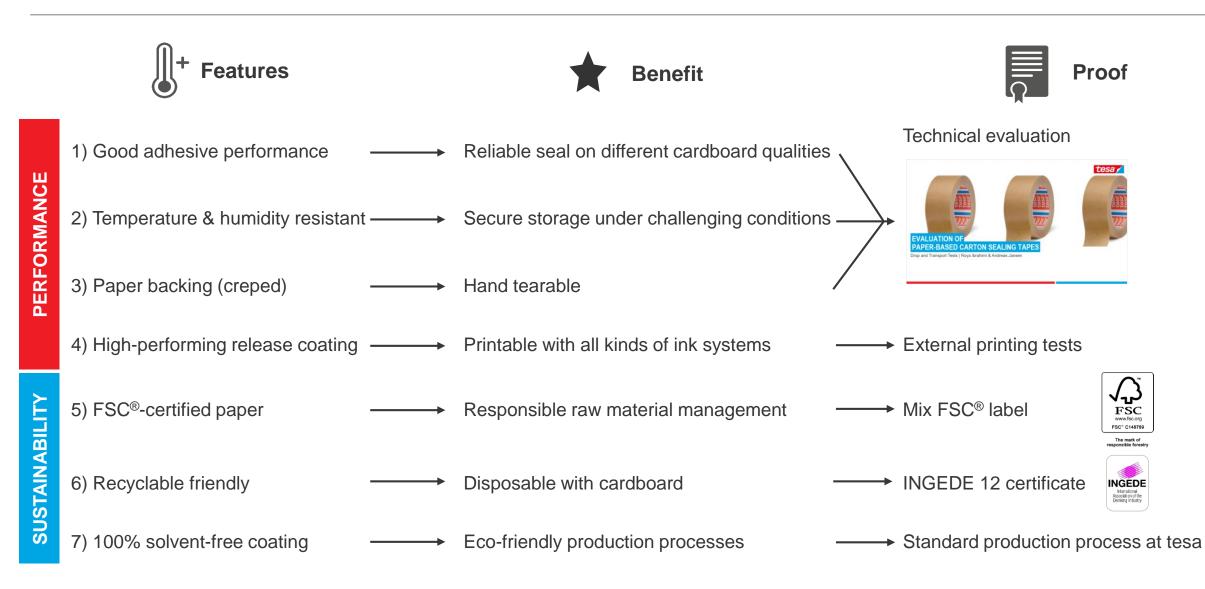
FSC[®]-Certified Paper

Product Features



Product	IBNR	NART	Length [m]	Width [mm]	PV	Color	Stock/ Non-stock	MoQ [rolls]	
	04713	04713-00000-00	50	50	00		Stock	36	
	04713	04713-00001-00	50	75	00		Stock	24	
	04713	04713-00002-00	500	50	00		Stock	6	
	04713	04713-00003-00	500	150	00		Non-stock	2	
tesa [®] 4713	04713	04713-00004-00	50	50	00		Stock	36	
	04713	04713-00005-00	50	75	00		Stock	24	
	04713	04713-00006-00	500	50	00		Stock	6	
	04713	04713-00007-00	500	150	00	\bigcirc	Non-stock	2	
	Jumbos (L = 3.500m / W = 1.600mm) available upon request								





PI Sheet



tesa[®] 4713

Product Information

tesa® 4713 - Carton Sealing Tape with Paper from Sustainable Sources

tesa® 4713 is a general-purpose packaging tape based on a fine crepe paper backing and a natural rubber adhesive. The paper backing of tesa® 4713 is made with paper from wellmanaged, FSC®-certified forests and other controlled sources. The natural rubber adhe-sive system features good adhesion to multiple surfaces as well as good tack.

Main Application

- Sealing of cardboxes
 Suitable for light-weight packaging (15 to 20 Kg.)
- Excellent adhesion in recycled cardboards
- Brand showcase and advertisement purposes
- Suitable for manual and automatic dispensers

Available in chamois and white

Technical information (average values)

The values in this section should be considered as average figures or typical only and should not be used for specification purposes.

Technical Data

•	Backing material	FSC [®] -certified Paper	r		
	Type of adhesive	Natural rubber	•	Total thickness	125 µm
	Elongation at break	10%	•	Tensile strength	30 N/cm

Adhesion to

Adhesion to steel

Technical information (average values)

The values in this section should be considered as average figures or typical only and should not be used for specification purposes.

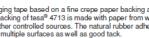
2.8 N/cm

Properties

٠	Automatic application		•	Hand tearability	••••
•	Manual application	••••	•	Printability	•••

Evaluation across relevant tesa® assortment: very good ... good ... medium ... low





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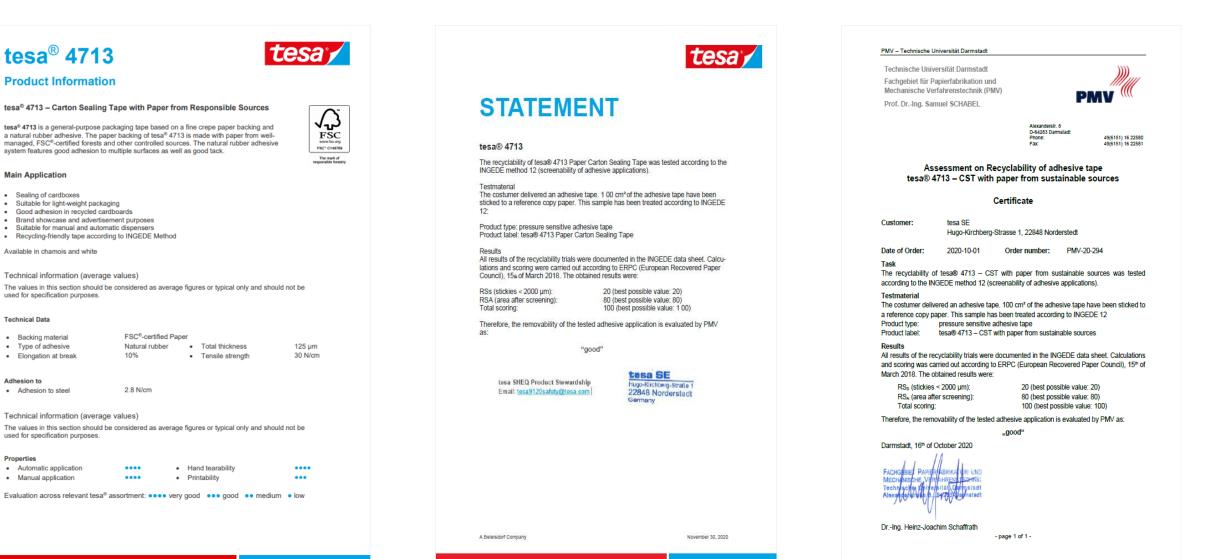
FSC www.fsc.org

The mark of responsible forest



Certificates







tesa® 4713 – SUSTAINABLE CST

Background

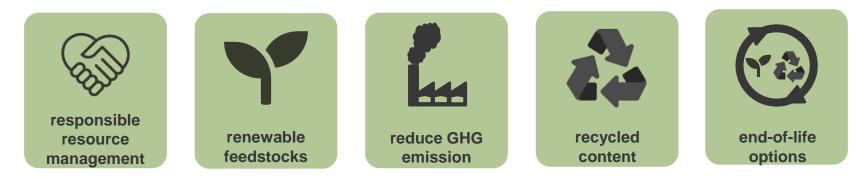


Background

- Regulatory and public concerns around packaging waste are currently driving to major changes in both industrial and consumer packaging approaches
- Carton sealing tapes, as a crucial part of any packaging solution, are part of these concerns as well
- In other words, the world is seeking new packaging solutions to better protect our climate and our environment

What makes a packaging tape sustainable?

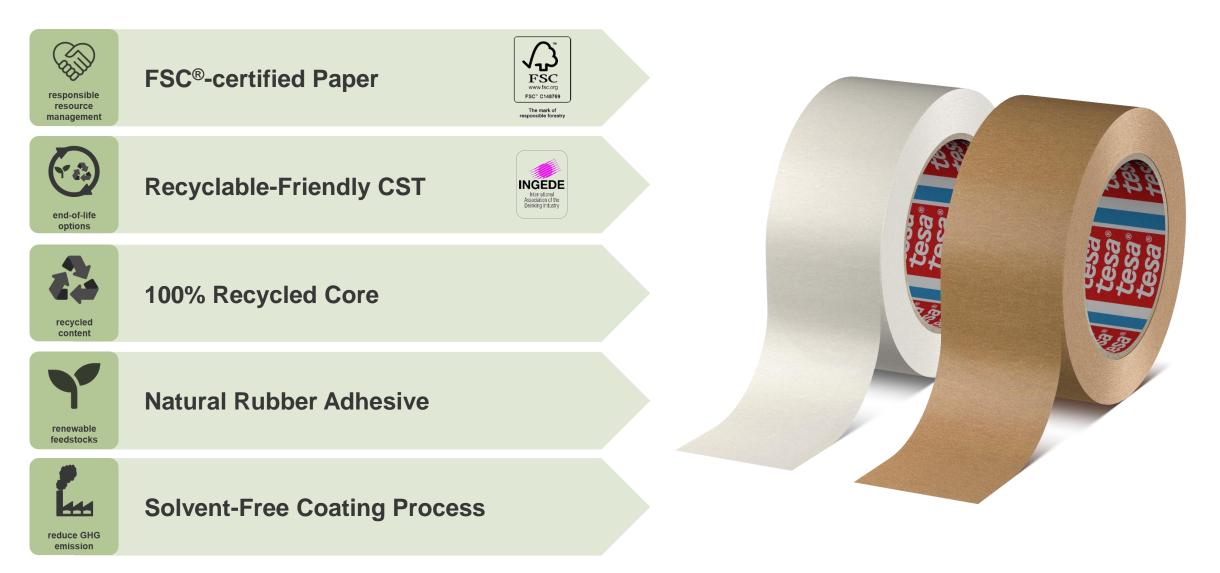
• To be considered sustainable, a packaging tape should meet any of these 5 criteria:



• Thanks to its design and the coating process in our plant, tesa® 4713 meets all these 5 criteria

Sustainability Features





FSC®-Certification



What is FSC[®] and what does FSC[®] stand for?

- FSC[®] is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide
- FSC[®] defines standards based on agreed principles for responsible forest stewardship that are supported by environmental, social, and economic stakeholders
- FSC® is well-recognized all over the world and has strong endorsement by many environmental groups



FSC[®] Label & Benefits

Which FSC[®] label will tesa[®] 4713 carry?

- tesa[®] 4713 will be carrying the FSC[®] Mix label
- This label indicates that the product is made from material from:

Reduce social conflict in and

around certified forests

Helps to improve the image of

the forest industry locally and in

associated markets

- Well-managed and FSC[®]-certified forests
- Other controlled sources

Improves workers conditions

in certified forests

Helps to provide greater **market**

access

What are the benefits from FSC[®] certified products?

tesa® 4713 - CST with Paper From Sustainable Sources	

Helps to secure land tenure

and use rights in certified forests

Contributes to **biodiversity**

conservation







The mark of responsible forestry

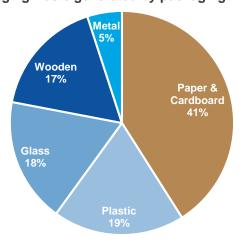
Cardboard Recyclability

Cardboard Waste – Facts & Figures

- · Carboard is one of the most commonly used materials in the modern era
- Paper and cardboard account for almost 40% of the packaging waste worldwide
- By recycling cardboard, a more sustainable future can be granted
- CSTs are seen by recycling companies as a disruptive element during the recycling process

Why is cardboard recycling so important?

- Recycling cardboard helps protect our environment in many different ways:
 - Helps reduce pollution
 - Conserves energy
 - Helps avert deforestation
- tesa[®] 4713 has been proved (INGEDE 12) to not endanger the recycling process when disposed with cardboard

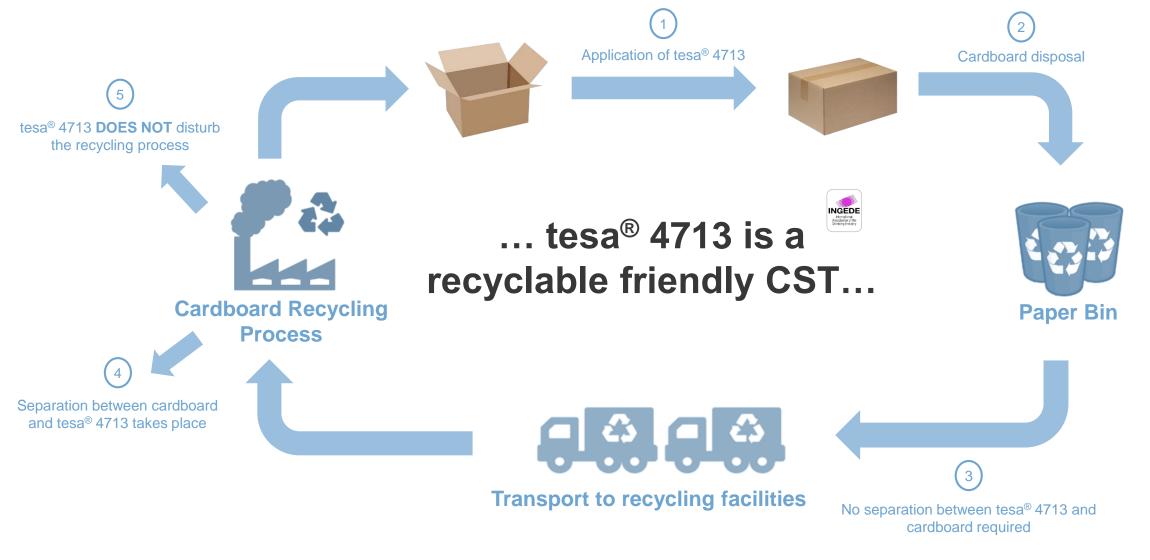




Packaging waste generated by packaging material



Cardboard Recycling Process





tesa[®] products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa[®] product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.