

Classic
RANGE

Superior
RANGE

Eco
RANGE

Project
RANGE



PRODUCT
CATALOGUE



PANGUANETA

Plywood For Life



HANSON PLYWOOD THE MOST RECOGNIZED HIGH QUALITY PLYWOOD SPECIALISTS



An extensive range of panel products

Hanson Plywood Ltd offer a service tailored to the individual requirements of a varied, diverse and ever-growing customer base. Our clientele range from **general construction companies** to **high quality furniture manufacturers** and all the way back to **architects** working on their initial specification. We procure goods from **sustainable forests** around the world with an objective to **promote the use of fully certified and fit for purpose products**. Our company ethos is to strive to advise and assist at all levels to ensure the technical requirements of all industries can be met. Involvement in the **TTF's Forests Forever Board** means that Hanson Plywood are at the forefront of environmental issues and are proactive in promoting sustainable sourcing throughout the UK timber industry. Our aim has and always will be

to create a path of sustainability, through the development of a balance between the economic, environmental and social aspects of our business. Staff Investment in the latest technology helps us to deliver the goods on time, within budget and the correct specification for the job.

Quality

Continual investment in our Head Office and warehouse facility ensures that quality of product and the best service will be guaranteed for many years to come. The company currently operates using a quality management system certified to the **ISO 9001 standard**. This enables us to consistently challenge ourselves to evolve, improve and adapt our business to meet the demands and requirements of our customers. We are also able to offer **add-on services such as cutting, machining, laminating and veneering**. By working closely with the market leaders within

these specialist industries we can offer the best available product and service.

Environment

Hanson Plywood is member of the **Timber Trade Federation (TTF)** and, as such, we are signatories to the **Responsible Purchasing Policy**. The policy has provided a strong foundation for our robust **Due Diligence System** which allows us to ensure that all products are at negligible risk of originating from illegal sources under the **EU Timber Regulation (EUTR)**. We are compliant with both **FSC®** and **PEFC™** Chain of Custody schemes and have pledged to the **WWF Forest Campaign** to ensure that all of our products are **certified by 2020**. Our implementation of an **Environmental Management System** that meets the requirements of **ISO 14001** enables us to reduce and mitigate risks of any potential adverse impacts to the environment that can be caused by the operation of our business.



PANGUANETA THE BEST PARTNER FOR LIVING SPACES CREATORS

Poplar Plywood 100% Made In Italy

The accurate selection of the raw material, selected in specific areas in Northern Italy, is at the base of **Panguaneta Brand**. Only logs that comply to the highest standards enter the production line. **Poplar plywood** is synonymous with **environmental protection**, intended as improvement of the quality of air and water, increased biodiversity in natural habitats and renewable sources of energy. Healthy, convenient, smart, ecological, resistant, efficient, easy to process... **Panguaneta Plywood** is a **high-end quality plywood**, hi-tech, and to be preferred compared

to other plywoods for using **less amounts of glue** and guarantees **higher performances**. Simplicity in overlaying operations and versatile usage are further elements of prestige. **Panguaneta Plywood** is an ideal support that can host the most varied decorative materials. At the same time it can also be profitably used as a component in manufacturing specific composite panels. **Panguaneta** is oriented towards the development of natural plywood, low impact products able to combine aesthetics and technical innovations, thus satisfying the growing demand for plywood with elevated performance features (prefinished plywood, fireproof, ...).



An enthusiastic vision of quality, with a customer- oriented focus

Thanks to an overall concept of quality, **Panguaneta** targets to satisfy all its stakeholders, expanding the success of the Brand in the international markets. Within this perspective our customers are the company's first assets: every choice is oriented towards them, and every product meets the features they request.

Quality as the protector of the environment

Panguaneta is committed to supporting the cultivation and above all, the "culture" of the poplar tree aimed at a **sustainable development**, from positive spinoffs at local, European and world levels.

The company has achieved an exemplary programme that established its leading role in the **100% Poplar "Made in Italy"** label (the very first 100% Poplar certification bears the **Panguaneta trademark!**) and the world organisation "**Pro-Populus**," active in the promotion and environmental safeguard of poplar trees.

Its commitment to the **Chain of Custody** of the **FSC®** and the **PEFC™** is an additional **Panguaneta** guarantee.

Panguaneta does not make use of wood gathered from areas where traditions or civil rights have been violated or where there are ongoing armed conflicts, or from areas that have been menaced or illegally cultivated, or even from natural areas converted into plantations with genetically modified trees (GMOs).



The H Collection

RIBA Product Selector

The H collection is a specific product guide expressly designed by Hanson Plywood for the RIBA Product Selector, to using the correct plywood for all applications and helping architects and specifiers to make the correct choices.

The Royal Institute of British Architects (RIBA) was established in 1834 and champions better buildings, communities and the environment through architecture and through its members. RIBA provide the standards, training, support and recognition that puts its members - in the UK and overseas - at the peak of their profession. The RIBA relies on its 40,000 members, sponsors and charitable trading operations, as well as its commercial arm, RIBA Enterprises, which includes the brands RIBA Insight and the NBS.

The H Collection has been developed to advise that all specifications should be satisfied with products that are fit for purpose taking into account

the application and particular performance criteria required. The Collection of plywood panels are very specific in their technical characteristics and meet all relevant industry standards.

All products are compliant with the Construction Products Directive (CPD), are CE marked and carry a Declaration of Performance (DOP) in accordance with EN 13986. They are all environmentally compliant to EUTR (European Timber Regulation) Legality and Chain of Custody FSC® / PEFC™.

Panguaneta products within the H Collection:

H Pure Glue Plywood

Poplar plywood manufactured using a non-toxic, Formaldehyde-Free Glue for improved air quality.

H Light Weight Plywood

Poplar / Ilomba construction giving significant weight saving and very high quality faces.



TUTTO-PIOPPO CERTIFIED PLYWOOD 100% MADE IN ITALY



The most efficient, durable, versatile, decorative. Obtained through the selection of the best raw materials. The indisputed choice for a wide range of industrial, furniture and automotive applications.

-  **305 X 130 CM
THE SIZE EXPRESSLY MADE FOR YOUR JOB**
-  **EFFICIENT PERFORMANCES
AT CONVENIENT COST**
-  **COMPLETELY REALIZED WITH ITALIAN POPLAR
CONTROLLED AND CERTIFIED**

RANGE

Classic

VERSATILE AND FUNCTIONAL

A collection of products to satisfy all the demands of general use. A quality that guarantees the adaptation to all the solutions in the fields of joinery, retailers and construction.

Thanks to the wide choice of sizes, gluing and qualities, the panels of the Classic range are suitable for the most different final uses: from furniture to industry, for indoor, outdoor and structural use.

This range represents the quality commodities of Panguaneta panel: high dimensional stability, great resistance and maximum versatility. This range is characterized by a great price/quality ratio, pledged from the service Panguaneta.

TUTTO-PIOPPO

Poplar plywood totally made of poplar veneers. Outer faces with longitudinal grain. Cross grain or unidirectional grain available on request.

Suitable for those entire application fields that enhance all its main features: lightweight, stability, ease of cutting and machining.

Applications



Certifications	Quality	Glueing	Sizes (mm)	Thickness (mm)
PEFC™	I / II	Class 1	2440 x 1220	3 ÷ 40
CE	II / III	Class 2	2520 x 1720	
CE2+	III / IV	Class 3	3050 x 1300	
			3120 x 1870	

OKOUME-TWIN

Plywood panel made of outer faces peeled exotic Okoume with poplar inner-layers. Outer faces with longitudinal grain. Panguaneta exotic plywood meets the programs for forest sustainable development.

The evenness of its surfaces allows excellent finish. It is available in a wide range of gluing and it's suitable for all those application fields that require a great durability and high mechanical performances.

Applications



Certifications	Quality	Glueing	Sizes (mm)	Thickness (mm)
PEFC™	II / III	Class 1	2500 x 1220	3 ÷ 40
CE		Class 2	2500 x 1700	
CE2+		Class 3	3100 x 1530	
CTBX		Class CTBX	3100 x 1830	

PIOPPO-MDF

Made of outer faces in Medium Density fiber panel with thickness from 2 to 4 mm and combined with poplar inner-layers. It combines the mechanical properties of MDF with the advantage of a higher light weight and ease of machining.

Thanks to the economical advantage combining it with other materials, it has become an important testing element for designers loving novelties.

Applications



Certifications	Quality	Glueing	Sizes (mm)	Thickness (mm)
PEFC™	II / II	Class 1	2440 x 1220	12 ÷ 40
CE		Class 3	2500 x 1220	
			3120 x 2100	



RANGE

Superior

RELIABLE AND STABLE

A range devoted to particular purposes and to the most innovative makings. It is represented by well-selected products, high characterization and extremely careful quality control.

Superior plywood is the flagship of Panguaneta range. Panguaneta is the undisputed leader in this segment since more than 40 years.

The cooperation with the most prestigious manufacturers in the automotive and furniture sectors, led Panguaneta to develop a type of plywood that allows coatings with progressively thinner, delicate and precious materials.

The raw materials suitable for the production are selected by our staff directly at their origin, to allow a full control over the entire chain. The quality control is constant on every single step of progress, in order to obtain a final product free from defect. Panguaneta plywood within the Superior range is compact, highly stable, with no signs of deformation in time.



BIRCH-SUPERIOR



It is a wood based panel made of outer faces birch veneers and poplar inner-layers. On request poplar innerlayers can be also combined with birch. Outer faces available in long and cross grain direction. It combines great mechanical properties with durability.

Birch plywood is made in accordance with the technical European and international standards.

Applications



Certifications

PEFC™
CE

Quality

I / II
II / II
II / III
III / III

Glueing

Class 1
Class 2
Class 3

Sizes (mm)

2440 x 1220	2440 x 1530
1530 x 1530	1830 x 1830
2500 x 1250	1530 x 1830

Thickness (mm)

3 ÷ 40

ILOMBA-SUPERIOR



Plywood panel made of outer faces peeled exotic Ilomba with poplar inner-layers. Outer faces with longitudinal grain. Panguaneta exotic plywood meets the programs for forest sustainable development.

High uniformity of surfaces. It is an ideal support for the coating with many decorative materials and forms as a component in the realization of many composites.

Applications



Certifications

PEFC™
CE

Quality

I / I
I / II
II / II

Glueing

Class 1
Class 2

Sizes (mm)

2440 x 1220
2500 x 1220
3100 x 1530

Thickness (mm)

3 ÷ 40



NO ADDED FORMALDEHYDE PLYWOOD
PANGUA-PUREGLUE
FREE TO BREATHE BETTER!

Pangua PureGlue is a Formaldehyde-Free Plywood using a non-toxic bonding system innovation. This technology is designed to reduce formaldehyde emissions and help improve indoor air quality in schools, homes, RV-Caravan, and offices.

RANGE

Eco

CERTIFIED AND TRACEABLE

This range meets the requirements of the sustainable industry thanks to the selection of environment-friendly raw materials, and it represents a very valuable contribution to the eco-friendly manufacturing.

Panganeta believes that environmental care is a value that must be responsibly pursued, conscious of the growing attention towards environment and sustainability.

Forest Management: Eco range is entirely FSC® and PEFC™ certified. It implies the respect for precise procedures concerning plantation, cutting and control of traffic flows from and to the woods. All this qualifies an important chain of custody. Panganeta's traceability is guaranteed for all the products and not only within the Eco range.

Formaldehyde release control: Eco range is E1 and CARB2 certified. E1 certification relates to European countries (limit: 0,1 mm). CARB2 is specific for all the extra-EU Countries (limit: 0,05 ppm). Eco range is also available in the new version PureGlue Plywood. All PureGlue Plywood products are made using cross-linking gluing with no added formaldehyde. Thanks to this technology PureGlue Plywood obtained the NAF14-191 certification from the Air Resources Board - California (ARB).

Glue technology overview

Pangua PureGlue products have been developed in collaboration with **Solenis LLC**, a leading global specialty chemical company and are manufactured with **Soyad™** adhesive technology.



This environmentally-friendly adhesive, which is formulated with a proprietary cross-linking resin and natural soy flour, provides a **strong and moisture resistant bond**, without the use of formaldehyde.

Formaldehyde emission standards

Pangua PureGlue plywood panels comply with **NAF** (No Added Formaldehyde) global regulations that restrict formaldehyde emissions from their interior wood products. **Panganeta is the first European plywood company to be approved since June 2014 as NAF manufacturer by the State of California Air Resource Board.** NAF based resins are formulated with no added formaldehyde as part of the resin cross linking structure. **Pangua PureGlue meets or exceeds Carb Phase 2** (California Air Resource Board), **F****** (Japanese Industry JIS), **AS/NZS** (Australia-New Zealand) **formaldehyde emission standards.**

GREEN FEATURES AND PERFORMANCE ADVANTAGES

The advantages of our **Pangua PureGlue** plywood begin in our **100% Made In Italy Poplar** plantations, where we take responsibility for our sustainable harvesting practices. This implies for **Panganeta** the respect for precise procedures concerning plantations, cutting and woods flows, **creating a qualified Chain of Custody: this is Panganeta traceability.**

Pangua PureGlue responds to new global regulations which have been enacted to restrict formaldehyde emissions from interior wood products, and help improve indoor air quality.



RANGE

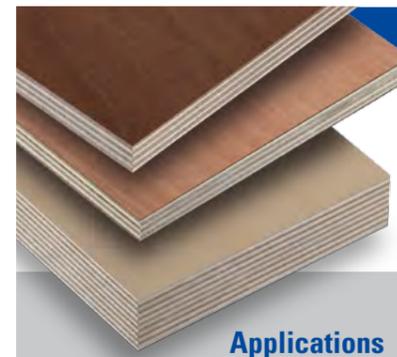
Project

TECHNOLOGICAL AND REFINED

This is an expert set, with high technology panels, realized to develop new functionalities and higher performances. They are used in the processing and creative industry and in urban furniture.

Project range is represented by products that symbolize the continuous research and innovation to meet the needs of increasingly specific applications. To obtain these results, Panguaneta employs the most innovative technologies and manufacturing processes to assure significant benefits.

Thanks to the Project products Panguaneta's expertise reaches a hi-tech level and allows many custom-made possibilities in the fields of design, furniture engineering, structural shapes or specific semi-finished items for construction.



PANGUA-FIRE

Multi-layer plywood impregnated and coated with reactive coatings to meet the needs of Euroclass B-s1, d0 according to EN 13501-1.

Pangua-Fire range meets the new market demands for passive protection against fire of building structures in general, for wall and / or ceiling applications.

Applications



Certifications

FSC®
PEFC™
CE
EURO CLASS B

Quality

II / III

Glueing

Class 1

Sizes (mm)

2440 x 1220
2500 x 1220
3100 x 1530

Thickness (mm)

6 ÷ 40



PANGUA-FORTE

Engineered innovative plywood of outstanding durability designed for resistance to wood decay agents.

Pangua-Forte is available to respond both durability class 3 and class 4 according to European Standards and proved to be durable to wood decay agents and most of factors responsible for the degradation of wood.

Applications



Certifications

PEFC™
CE
CE2+

Quality

II / III
III / III

Glueing

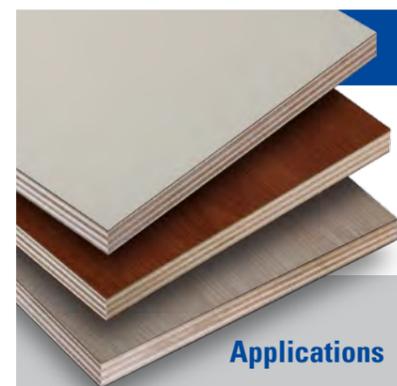
Class 3

Sizes (mm)

2440 x 1220
2500 x 1220
3050 x 1300
3100 x 1530

Thickness (mm)

9 ÷ 40



PANGUA-LAM

Plywood coated with CPL or HPL laminate with variable thickness from 0.2 to 0.9 mm.

Finish particularly suitable for structures where load resistance and bending resistance are required, and which require the high hygroscopic characteristics of plywood, associated with resistance to scratches and wear typical of the laminate.

Applications



Certifications

PEFC™
CE

Quality

II / II
II / III

Glueing

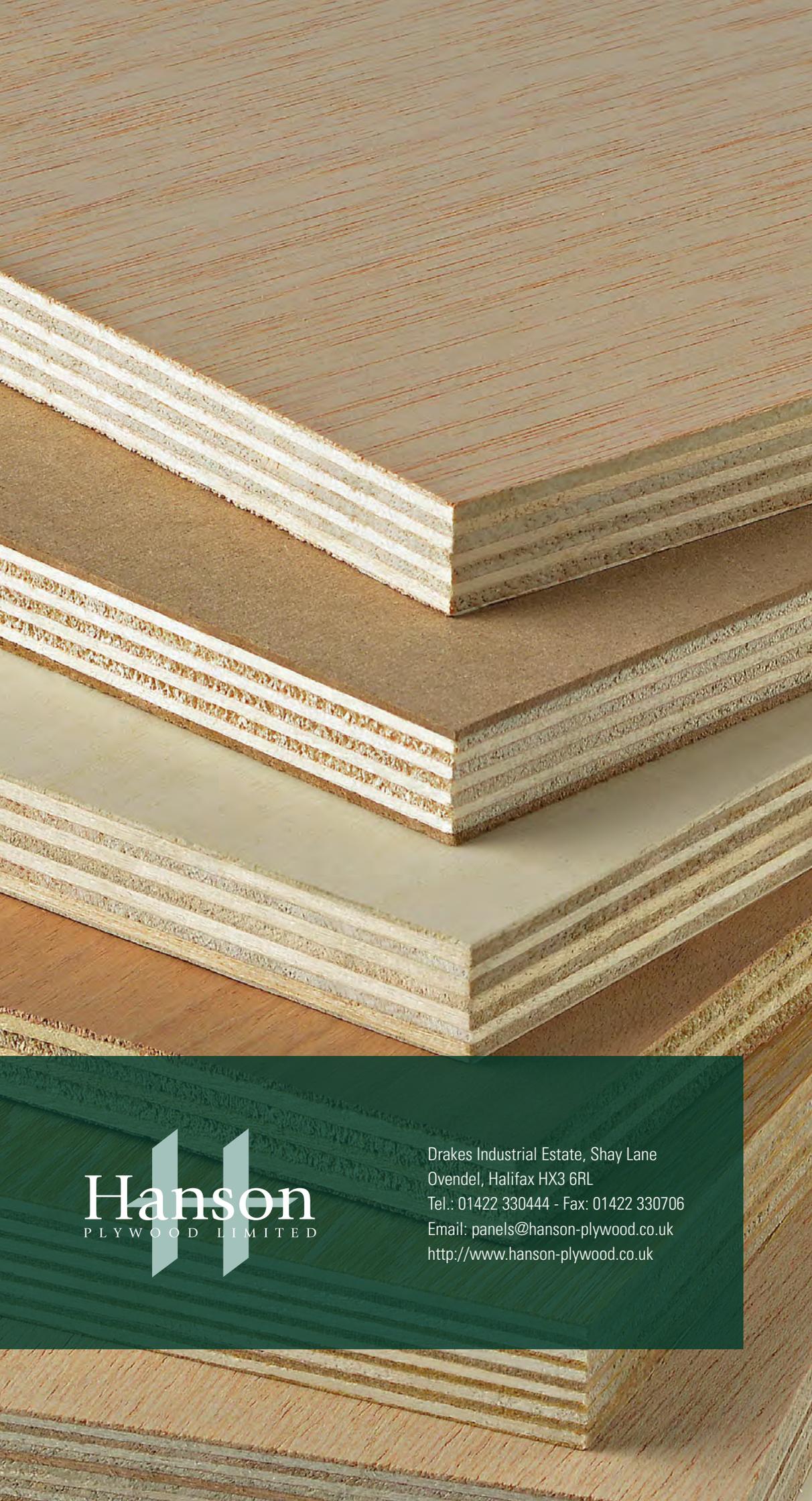
Class 1
Class 2
Class 3

Sizes (mm)

2440 x 1220
3050 x 1300
3120 x 1850

Thickness (mm)

12 ÷ 40



TFT WOODEXPERTS



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