

# Hebei Dongshengyuan Trading Co., Ltd.

河北东盛源贸易有限公司

## Products Description:

- Aluminum formwork system panel also called aluminum alloy formwork panel. It is made of the overall extrusion forming of aluminum alloy. Aluminum formwork system is suitable for the high degree of standardization tall buildings or multi-layer buildings and villas. The biggest application contractor in China is Wanke, Baoli, Ivcheng Grop, Dahua etc.



## Aluminum Formwork Panel Advantages (1---10)

### 1. Short construction.

- Aluminum formwork system is quick release system, a set of formwork for one floor, just need 4days. Improve the construction progress and save cost.

### 2. Turns more and good economic benefit .

- Formwork can be re-used over 300-500 times and still keeps high quality to finish forming concrete surface. Also the average cost of using in each time is low.

### 3. Lighter weight, Construction more easily, conveniently and effectively.

- The weight of aluminum formwork is around 20KG/m2. The whole assembly process could be finished without any machines assist. The workers just need a

spanner and a hammer to assemble the whole system easily. 20-30 square meters per person per day can be installed.

#### **4. Good stability, high bearing capacity.**

- The formwork made of 6061-T6 aluminum alloy plate and aluminum alloy profile. The system formed to a frame structure after assembling, its load bearing capacity reach to 60KN/m<sup>2</sup>.

#### **5. The wide scope of application.**

- Used in reinforced concrete field: wall, floors, windows, post, beam, bridge, etc.



#### **6. Little flat-fell seam, high precision. Good surface after dismantling.**

- The concrete surface after dismantling. It would be a very high quality finishing. The concrete surface is flat, smooth. No need a heavy backing plaster. Effectively for plaster cost saving.

#### **7. Independent support system & tidy.**

- Spare parts included pins and wedges should be recycled. Work site would be a safety, clean and tidy environment. Supporting system construction is simple, convenience and clean. Contrast to traditional formwork systems, aluminum formwork system used less supporting rods, it leave more space for walking or materials transportation.

#### **8. Standard, and Highly optimized for general use.**

- Has more specifications. It is according to the project with different size be assembled. Reduce the cost.

## 9. High Recyclable Value

- Dimensions of most of the formworks which used in different structural drawings are the same. It means that when you have a new different project, 70%-80% formworks of the last project could be recycled. After formworks lost a value in usage, the aluminum material could be re-sold to the market with a high price.

## 10. Conform to the Low-Carbon Economic requirements

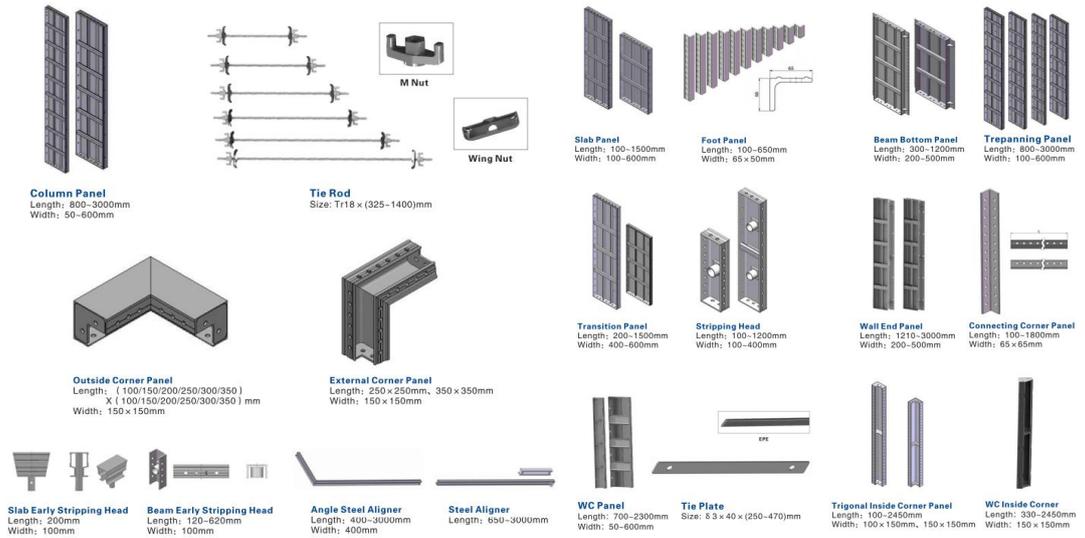
- All the materials in the formwork system are recyclable materials. Most countries have been set a rule to prohibit using wooden formworks due to environment protection. Aluminum formwork is the best substitution.



## Comparison of Aluminum Formwork and Wood Formwork

NO.	Reference	Aluminum Formwork	Wood Formwork
1	Material cost (Included Support)	\$183-216/m <sup>2</sup>	\$13--16/m <sup>2</sup>
2	Turnaround times	300times at least	3-5times
3	Assembling and dismantling labor cost	\$3.6-4.2/m <sup>2</sup>	\$4.2-4.7/m <sup>2</sup>
4	recovery value	\$67/m <sup>2</sup>	\$0.8/m <sup>2</sup>
5	Subtotal artificer materials	\$4.4-4.9/m <sup>2</sup>	\$7.5-8/m <sup>2</sup>
6	leveling the wall plastering labor cost	\$0.4/m <sup>2</sup>	\$2/m <sup>2</sup>
7	leveling the wall plastering material cost	\$0.3/m <sup>2</sup>	\$2.6/m <sup>2</sup>
8	ergonomics	20m <sup>2</sup> /day	15m <sup>2</sup> /day
9	final economic indicators	\$5.9-6.4/m <sup>2</sup>	\$12-13/m <sup>2</sup>

# Component for Aluminum Formwork Panel



This Video Shows our Company History,pls check the link as below:

<https://www.youtube.com/watch?v=h9n9Vydy700>

Jointing formwork --- wall formwork--- beam forms---- stair formwork ---- concreting  
---quality checking---- formwork-stripping



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