



***Buy fiberglass reinforcement and mesh
direct from the Manufacturer***

Designed by ARPLASTIK company



MODERN TECHNOLOGIES MAKE IT POSSIBLE TO PRODUCE NON-METAL COMPOSITE BUILDING MATERIALS THAT HAVE AN OBVIOUS ADVANTAGE OVER TRADITIONAL METAL ONES.

Advantages over metal are as follows::

- ✓ *9 times lighter*
- ✓ *3 times stronger*
- ✓ *10-30% cheaper*
- ✓ *Non-corrosive material*
- ✓ *Low heat conductor*
- ✓ *dielectric*
- ✓ *Any length*
- ✓ *Long service life, not less than 80 years*
- ✓ *Operation temperature range from -70 up to +100 °C*

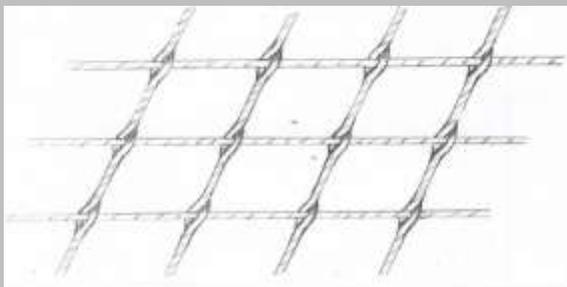


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MASONRY MESH **KSPK NEW**

It is unique as a mesh cell is formed as the following: a cross rod passes through a longitudinal rod that is subsequently twisted. Due to this process, the connection is as strong as possible.



Characteristics:

- ✓ **No analogs**
- ✓ Sheet width: from 0.5 up to 3m
- ✓ Sheet length at customer's request
- ✓ cell: from 50*50mm, 100*100, 150*150, 200*200
- ✓ possible to form cells 50*70, 100*50 etc.
- ✓ rod diameter: from 2mm up to 12mm
- ✓ covering with sand, and without sand

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Composite mesh available in Russia

Woven



Method:

Interweaving of rods

Disadvantages:

- not more than 150° C
- weak
- bad adhesion with concrete
- small size

Application:

Masonry mesh

Rod diameter:

2,4,6mm

Cell:

50x50, 100x100
200x200

Sewn



Method:

Sewing with a thread

Disadvantages:

- not more than 150° C
- unprotected fibers
- bad adhesion with concrete
- small size

Application:

masonry, roadway

Rod diameter:

2,4mm

Cell:

50x50, 100x100

Mesh Galen



Method:

Thermojunction

Disadvantages:

- not more than 150° C
- bad adhesion with concrete
- small size
- high price

Application:

masonry

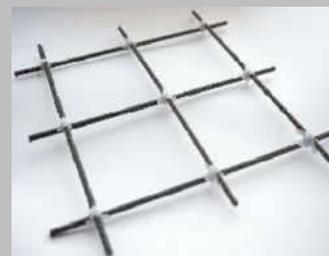
Rod diameter:

2,2mm

Cell:

50x50

Mesh BASIS



Method:

Thermojunction

Disadvantages:

- not more than 150° C
- Advantages:**
- big rod diameter

Application:

floors, roads, concrete products

Rod diameter:

2,4,6,8,10mm

Cell:

150x150, 200x200

Mesh KSPK



Method:

Twisting

Disadvantages:

- not more than 150° C

Advantages:

- big rod diameter
- the strongest connection
- low price
- possible to produce with sand covering

Application:

masonry, floors, roads, concrete products

Rod diameter:

2,4,6,8,10,12mm

Cell:

50x50, 100x100, 150x150, 200x200
50x80, 50x100 etc.

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Table of replacement with metal

<i>Composite reinforcement (ASP) — fiberglass</i>	<i>Metal reinforcement class A-III (A400C) GOST 5781-82</i>
<i>ASP-4</i>	<i>6A-III</i>
<i>ASP-6</i>	<i>8A-III</i>
<i>ASP-8</i>	<i>12A-III</i>
<i>ASP-10</i>	<i>14A-III</i>
<i>ASP-12</i>	<i>16A-III</i>

Why it is better than metal

Metal AIII

доставка



Длинномер 12,5 метров

разгрузка



Кран

перемещение
по объекту



вручную по 4 человека 12 м (то 40кг на армирование 4,8 м²)

укладка
и вязка



2 человека укладывают и вяжут в час до

30 м²/час

дополнительно
требуется



вспыльная
проволока



студачки



крючок
вспыльный



«звездочка»



сварочный
аппарат

Fiberglass mesh KSPK



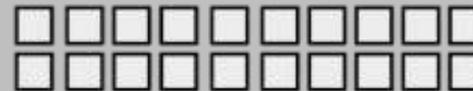
10 тонник 6 метров



2 человека вручную (вес карты 13,2 кг)

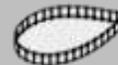


вручную по 2 карты (26 кг на армирование 26,5 м²)



2 человека укладывают и вяжут в час до

200 м²/час



стандартный элемент
для пространственного каркаса



пластиковая стяжка



Fiberglass reinforcement (ASP) range of application



- ✓ ***Road slabs, asphaltic concrete road works*** (especially elastic foundations). It is particularly recommended to use composite reinforcement in construction elements treated by chemical reagents.
- ✓ ***Fiberglass reinforcement is applied in bridge building***
- ✓ ***Reinforced concrete works when*** building and repairing swimming pools, reservoirs with chemically active substances, storm sewage system, pipelines.

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- ✓ **Reinforcing while pouring foundations**, especially in concrete with Portland-blastfurnice cement, trass cement, mixed binders high in active mineral additives as well as continuous concrete with chloride-containing antifreezing agents (calcium chloride, calcium nitrate-chloride, calcium nitrate-chloride with carbamide and other)
- ✓ **Monolithic low-rise buildings**. According to the modulus of elasticity, it is allowed to design buildings with composite reinforcement up to the fourth floor. If there is no possibility to satisfy regulatory requirements for protective layer thickness (thin-walled structures, for instance, panels of noise protection constructions, fence and others)
- ✓ **Creating repair or architectural forms** with gypsum binders.
- ✓ **Monolithic pouring of non-bearing walls and partitions** makes buildings lighter and there is less load on bearing structures.
- ✓ **Reinforcing brick or concrete masonry units with flexible ties**, especially in winter when masonry mortar with antifreezing additives and accelerators is used.
- ✓ **Building hydraulic facilities**: embankments, mooring berths, coast-protecting structures, wave breakers.

At present there are no recommendations for using composite reinforcement in ceilings and bearing walls of multistoreyed buildings. However, tests are being carried out to create bands of aseismic stability on its basis.

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Arplastik team has launched manufacturing composite, fiberglass reinforcement, fiberglass mesh as well as equipment for producing these products and non-standard equipment at Customer's request. We were the first who invented the technology of one-cycle composite mesh production.

We are open for cooperation and have a vast experience in setting up production both in Russia and abroad. Our products and equipment sales geography includes the whole territory of Russia from Kaliningrad to Vladivostok.

We appreciate your taking the time to read the proposal!

Respectfully,

Arplastik team.

For more details about the products, please, visit our website www.arplastik.ru or contact our managers. Call (3412)912-622, 912-623, 8-919-919-95-33 to order and buy.

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