

# POLYPLASTIC Group



Russian  
market leader



27 Oct – 3 Nov  
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Düsseldorf

# Civil construction



# Civil construction

The main tendency in civil construction is re traditional materials for the modern polymeric composition ones.



As a result the manufacturers get a competitive placement of advantages and additional profit.



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## Product list

Grades	Description
<a href="#">Armlen PP MF 30 – 3IM</a>	Impact modified PP 30% mineral field
Armlen PP EPDM 15 – 1	High impact modified PP
<a href="#">Armlen MF 10-1FREX</a>	PP 10% mineral field with flame retardant
<a href="#">Armlen PP GF 20 – 1EX</a>	PP-R 20% glass reinforced
<a href="#">Armovil PVC MF 5 –1-75D</a>	PVC 5% mineral field
Technamid A GF25-THSEX	PA66 25% glass reinforced

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# Areas of application

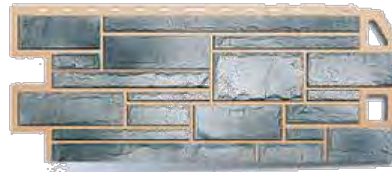
## Socle siding from Armlen PP MF 30 – 3IM



Кварцит



Сланец



Топаз



Малахит

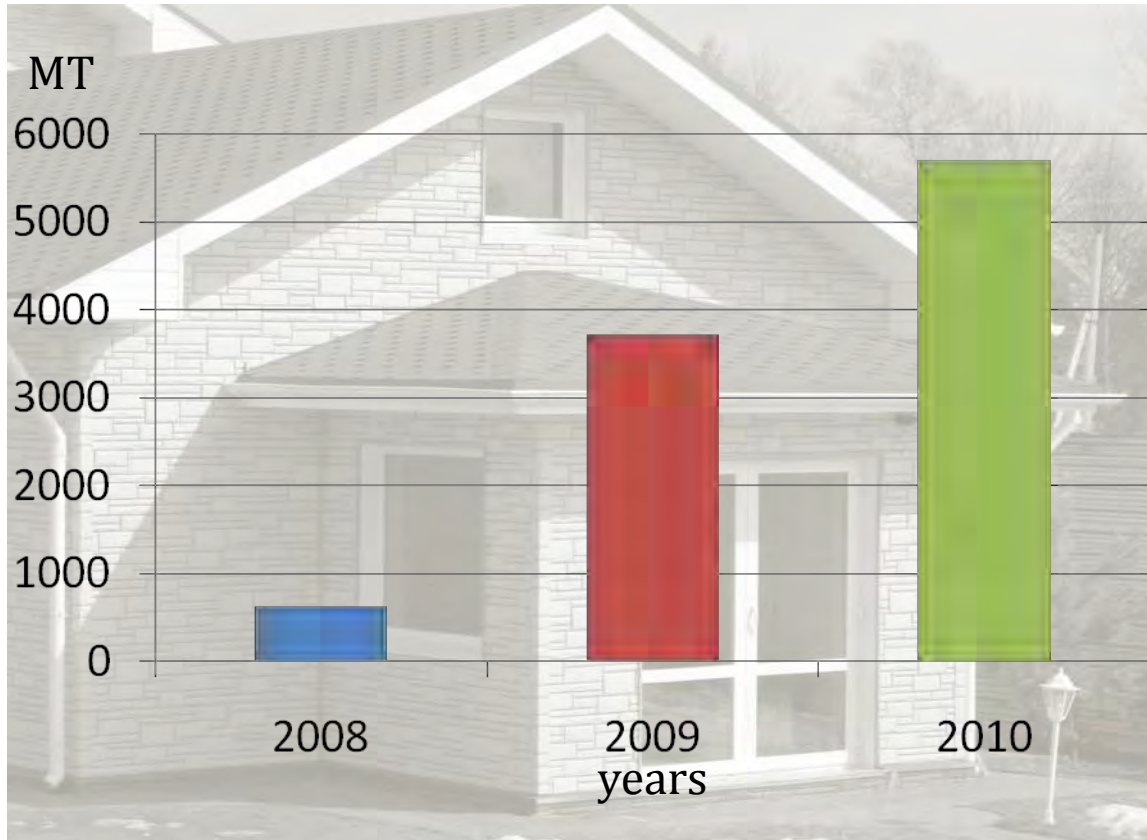
- resistant to UV
- high impact at low temperature till  $-50^{\circ}\text{C}$
- absolutely moisture resistant
- ecologically safe
- fire-proof construction material which is confirmed by sanitary-epidemiological and fire certificate

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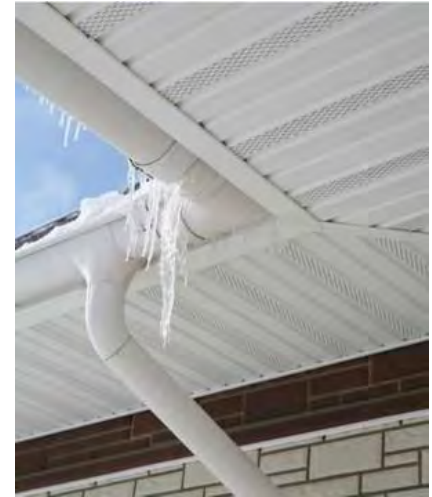
# The sale's growth of Armlen PP MF 30 – 3IM



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# Areas of application

Fittings for plastic pipes from **Armovil PVC MF5-1-75D**

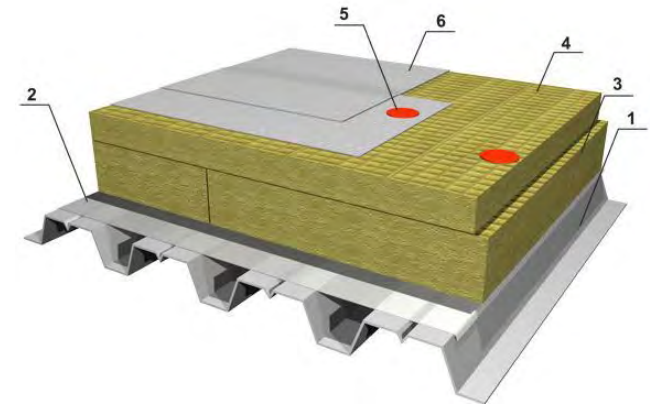


- UV-resistance
- High deflection temperature under load
- Low adhesion to admixtures
- High chemical resistance

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# Areas of application

## Fasteners for the roof from Armlen EPDM 15-1



- High impact strength at low temperature
- High chemical resistance
- Excellent balance between the hardness and flexibility
- Hydrolysis resistance

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# Areas of application

## Thermo break profile from Technamid A GF25-THSEX



- Low thermal conductivity
- Thermal fastness
- Heat-stabilized material
- Nontoxic

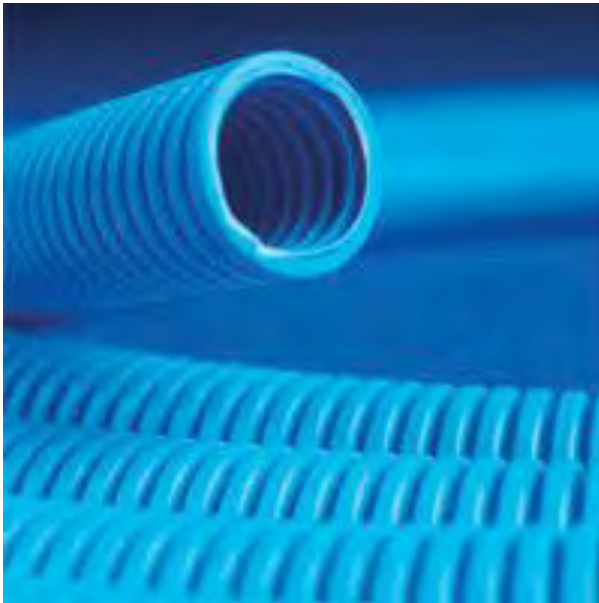
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# Areas of application

## Flexible selfextinguished corrugated tubes from Armlen MF10-1FREX



Innovation type of plastic electrotechnical conduits for Russian market. The properties of the tubes are stable at low and high temperatures. Installation temperatures of this tubes are in the range  $-40^{\circ}\text{C}$  to  $100^{\circ}\text{C}$ . Increasing of elasticity properties of the conduit makes montage process easier.

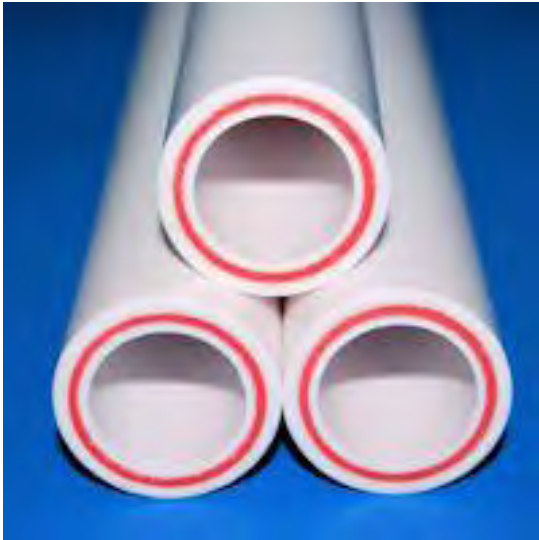
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# Areas of application

## Intermediate layer of PP-R pipes from Armlen PP GF 20 – 1EX



The pipes with the intermediate layer from Armlen PP GF 20 – 1EX have low coefficient of thermal expansion.

The mechanical properties of these pipes are higher in comparison with the unreinforced pipes.

Installation procedure is more easier than in case of pipes reinforced by aluminum foil.

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# Thank you for attention!

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