

**NAYLOR**  
TECHNICAL SOLUTIONS

*Made in the UK*

Excellent Construction Products

**NOVON**  
**PLASTICS**



## Welded Mesh Formwork System

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**NOVOFORM**



## A user friendly solution

Standard Novoform is manufactured using 4mm main wires at 150mm centres on 3mm cross wires at 75mm centres. Designed, tested and proven to suit foundations containing reinforcement of depths up to 2250mm.

Our mesh is produced from bright drawn mild steel, manufactured to BS4482. The mesh is electronically welded at every intersection.

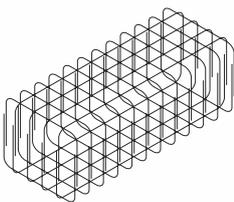
The wire is tested in accordance with BS4482. Welded intersections are tested in accordance with BS4483 Section 13.2., with dimensional checks being performed and recorded during production to comply with BS EN ISO 9001:2000.

### Pile Cap or Base Assembly - Step by step guide

Fixing the pile caps and beams this way allows easy access to fix continuity bars through one side of the cap or base.

**1**

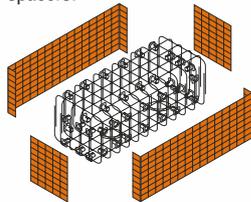
Position pile cap cage to line and level.



Piles cut down and area blinded.

**2**

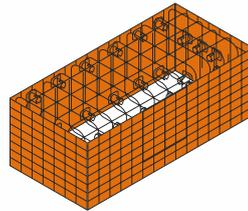
Using the Novoform schedule sent with the load, identify the marked units for the cap and base and place against the spacers.



All Novoform units marked as schedule, for simple and rapid assembly.

**3**

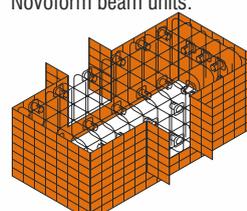
Mark the beam outline on the side of the cap or base assembly, as drawn, ready to form openings for beams.



Use straight edge and marker allow additional 25mm width so beam units fit inside 'doors'.

**4**

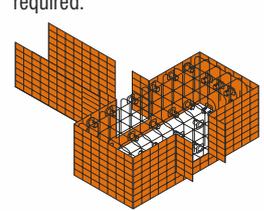
Cut down centre line and across soffit line of beam. Form 'inverted T' fold out 'doors', ready to accept the Novoform beam units.



Leave top wire intact and cut alternative wires at 'door' hinge point. This helps to give a tight bend and makes the folding easier. The 'doors' act as the grout seal. Spacers may be removed at door openings.

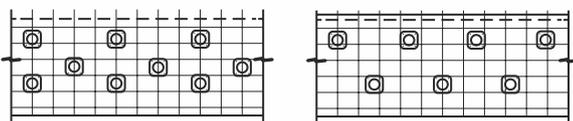
**5**

Select preformed Novoform beam units and place inside the prepared open 'doors'. No taping or tying of joints is required.

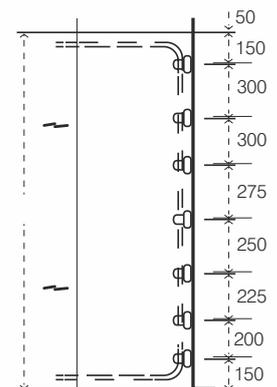
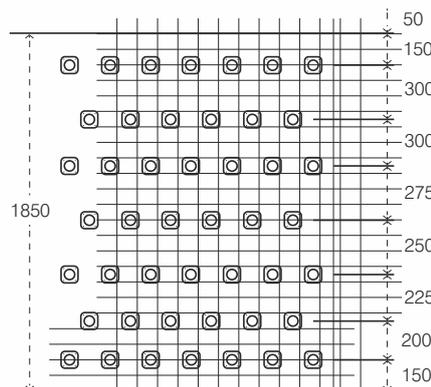


### Typical Spacer Arrangement

Will vary by depth of cap/base and ground conditions. Spacer centres to be adjusted as required to maintain specified concrete cover. Spacers to be staggered, as shown where practical.



Novoform recommendation: Maximum Novoform spacer centres 450mm.



## Panel Sizes

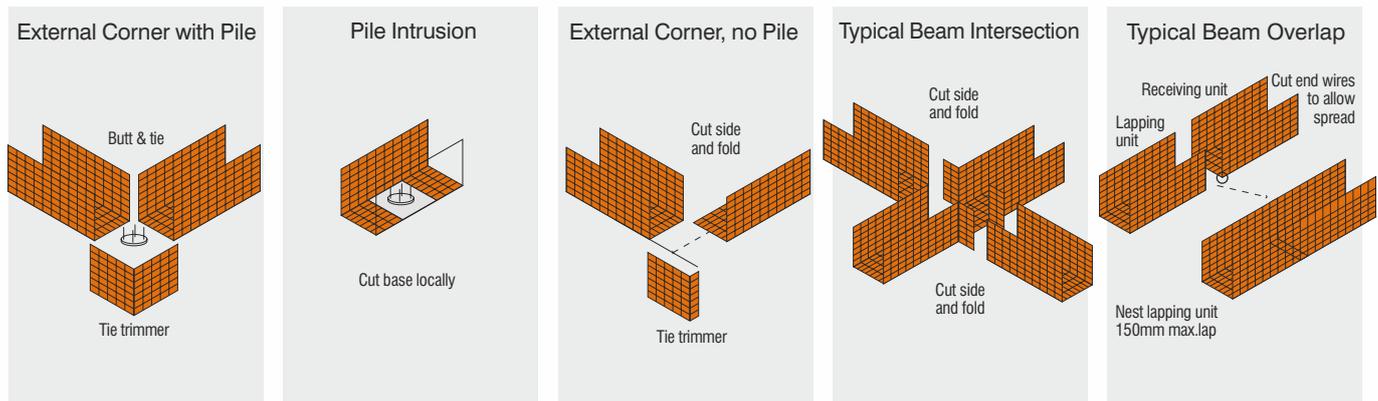
All panels are 2400mm long, and are available in the following depths:

450mm	1500mm
525mm	1575mm
600mm	1650mm
675mm	1725mm
750mm	1800mm
825mm	1875mm
900mm	1950mm
1050mm	2100mm
1200mm	2250mm
1350mm	2400mm
1425mm	2700mm



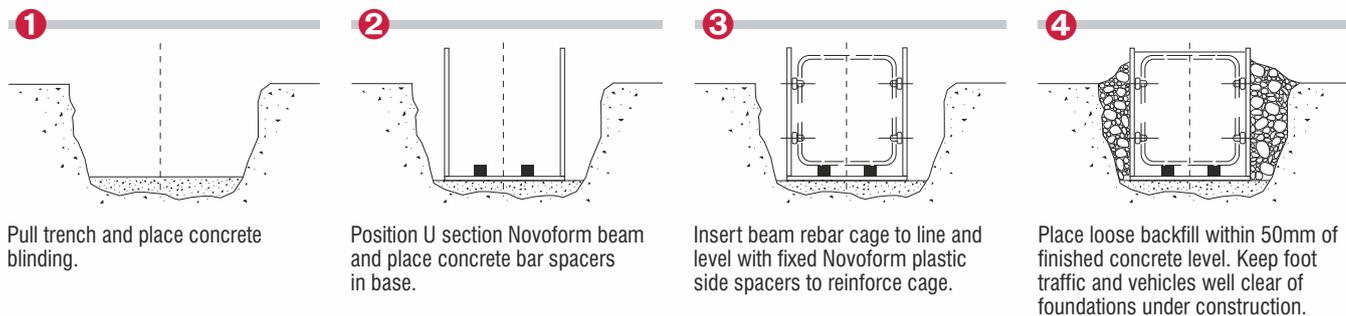
## Typical "U" Section Beam Connections

Will vary by depth of cap/base and ground conditions. Spacer centres to be adjusted as required to maintain specified concrete cover. Spacers to be staggered, as shown where practical.



## U Section Beam Installation

Recommended construction sequence for r.c. ground beams.





### Semi-Rigid Ducting

Manufactured with a spring steel wire helix covered with a PVC wear strip and each length is complete with a coupling band, hooks for suspension and suspension wire.



### Flatlay Ducting

Manufactured in flame retardant, anti-static and heavy-duty reinforced PVC material. Other materials specifications are available on request.



### Filament Wound GRP

We have a large selection of round and oval filament winding mandrels and manufacture GRP tubes, pipes and ducting in sizes and lengths ranging from NB25 to NB1600 diameter in phenolic, polyester and epoxy resins for a variety of applications including biogas shafts, ventilation equipment, power stations and chemical plants.

Our fiberglass ducting is made by combining fibreglass with phenolic resin and catalyst, resulting in a product that is both acid resistant and inherently flame resistant. The filament winding process gives this ducting a high tensile strength and is suitable for both positive and negative high pressure applications.



### Fans, Silencers & Filters

Naylor Technical Solutions work closely together with world leading fan manufacturer Korfmann and dust filter experts CFT to offer the complete ventilation package for your mining and tunnelling needs.

Let us know where you need air and let Naylor Technical Solutions do the rest.



### Electronics (Safety Solutions)

Naylor Technical Solutions supplies mining and tunnelling solutions from our group partners that keep personnel and plant safe, with products ranging from no-maintenance gas detectors to full underground monitoring and control systems. Our robust, reliable and cost-effective solutions are widely used in underground environments, with safety being our number one concern.

**Naylor Industries plc - more than 130 years of production and supply to the Construction Industry**

- Vitrified clay pipe systems for trench and trenchless installation
- Thermachem - Chemical Drainage and Industrial Ceramics
- Band-Seal couplings for the repair of and connections into existing pipelines
- Plastic Land Drainage, Twinwall Ducting Systems and Access Boxes
- Yorkshire Flowerpots, a range of frostproof plant pots



**NAYLOR TECHNICAL SOLUTIONS**

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