



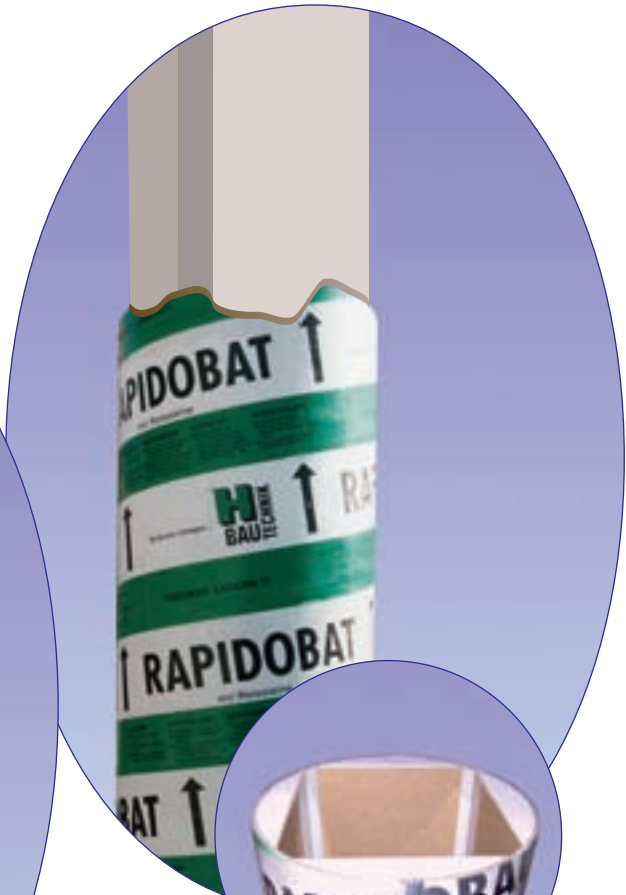
Rapidobat

*Disposable Formwork
for Concrete Columns*

High Finish, Rapid Construction



Circular



Square



Seamless



Products for the Reinforced
Concrete Construction Industry

Description

Rapidobat is a high quality, purpose made, spirally wound rigid paper tube. They are fast and economical to use and provide an optimum solution for producing fair face finish concrete columns.

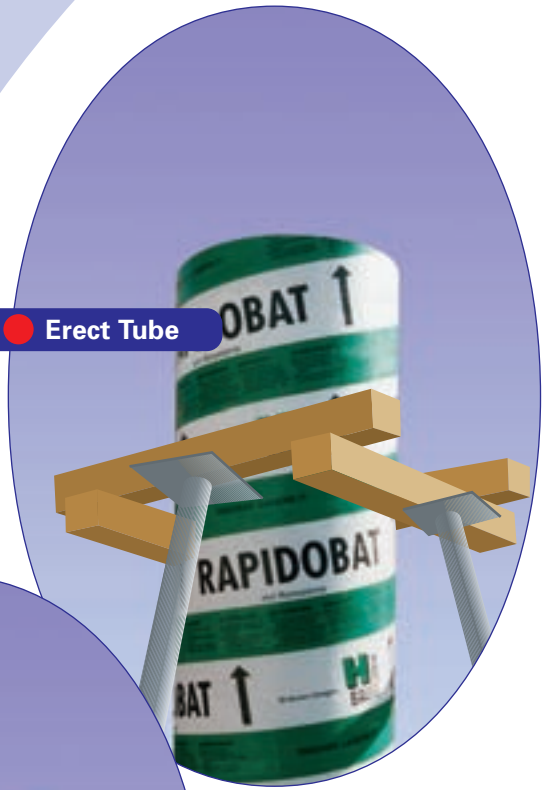
Variations

- **Seamless** – The premium grade former tube which produces a completely seam free fair face finish.
- **Lined** – A PVC liner is fitted internally, which provides a high class concrete finish. There will be a hairline seam on the concrete column formed at the point where the liner butt joins.
- **Unlined** – For applications where surface finish is not critical such as pile caps, tiled columns, etc; Rapidobat can be supplied without a fitted liner. When a column is poured like this the negative effect of the spirally wound tube will be transferred to the concrete face.
- **Square** – Using a traditional circular former and polystyrene inserts, Rapidobat can be supplied to produce square or rectangular columns. These formers are supplied with ready chamfered corners and coated boards for high grade concrete columns.

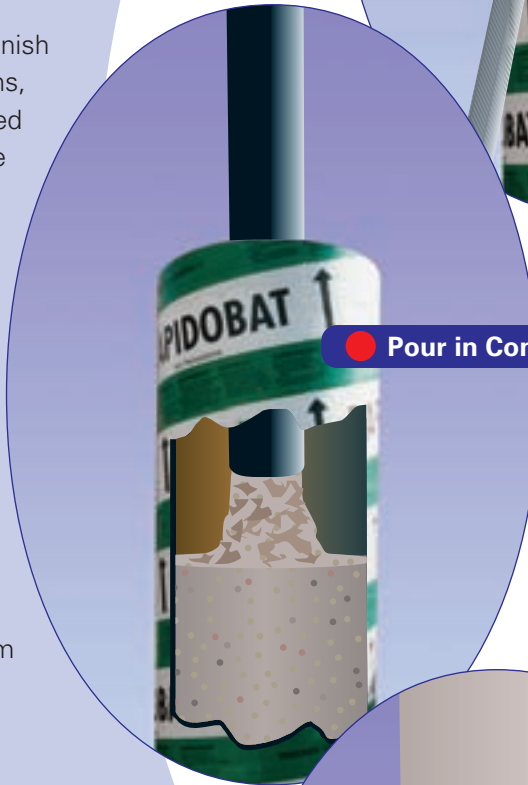
Specials & Accessories

- Octagons, ovals & other specials possible.
- Feature indents available and also mushroom heads.

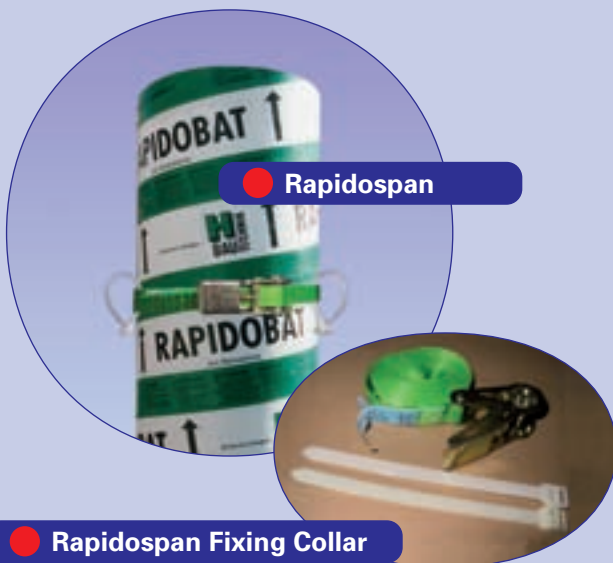
Erect Tube



Pour in Concrete



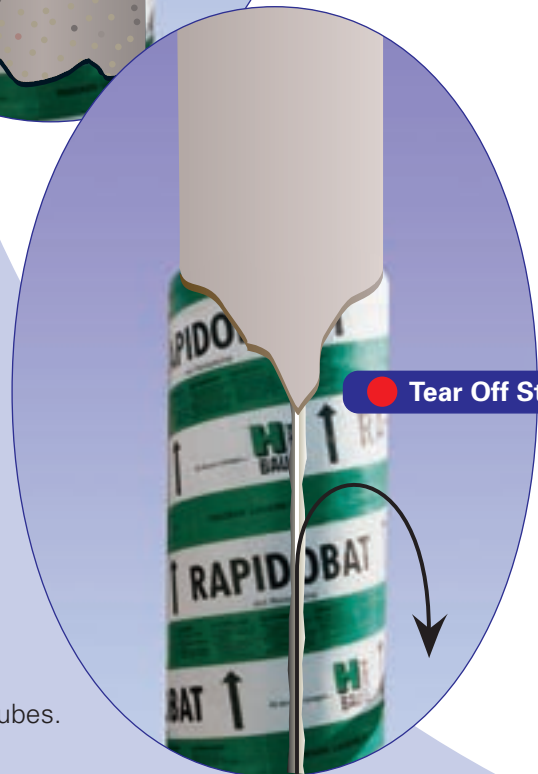
Rapidospan



Rapidospan Fixing Collar

- A tensioning belt with three loop attachments. Used for top fixing of Rapidobat Column Former. Suitable for all diameter tubes.

Tear Off Strip



Rapidobat

The Standard Range

Tube Internal Diameter (mm)	Tube Wall Thickness (mm)	Maximum Pour Height (m)*
150	4.5	12.30
200	4.5	10.25
240	5	10.25
250	5	10.25
300	5	10.25
350	5	8.79
360	5	8.79
400	6	7.69
435	6	7.00
450	6.5	6.50
500	7	7.30
560	7	6.80
600	8	6.15
650	8.5	6.00
700	9.5	7.03
750	10	7.03
800	10.5	7.69
900	12	7.70
1000	13.5	7.65
1200	15	7.50

* The maximum recommended pour height of concrete in consideration of the internal pour pressure related to tube diameter and wall thickness.

Tube Diameter	Metres per hour
100 - 300mm Diameter	6mtrs per hour
300 - 450mm Diameter	5mtrs per hour
450 - 600mm Diameter	3.5mtrs per hour
600 - 1000mm Diameter	2.5mtrs per hour

Up to 4mtr high and/or up to 450mm diameter, normal pouring methods (skip or bucket) can be used. Over 4mtrs high and/or 450mm diameter, place concrete by pump and hose.

Place concrete slowly to eliminate air entrapment between tube and liner.

Only vibrate from inside the tube.

Tube Lengths

Standard stock lengths are 4m, suitable for cutting on site. Rapidobat can also be supplied prepared to required lengths.



Rapidobat

***Always store off the ground and under cover**

**Keep Dry.
Erect Tube.
Pour Concrete.
Pull Tear-Off Strip.**

Installation

1. Securing Base: The base of the tube can be restrained by using a simple square timber arrangement fixed to the ground or decking as required.
2. Securing Top: The top of the tube can be restrained with a similar frame as the base, off of which traditional props can be used to plumb and restrain the tube vertically.

Note: Always erect tubes with the arrows pointing upwards, which ensures correct operation of the tear-off strip.

Storage

Rapidobat tubes are very strong, but remember they are made from paper!

The tubes must be protected from excessive moisture before and during use. If space permits, the tubes should ideally be stored vertically and suspended above ground (eg. on pallets) to permit airflow. A good sized tarpaulin which totally covers the Rapidobat tubes would normally be sufficient short term protection from weather elements.

Note: It makes good sense to plan Rapidobat deliveries in close sync with the construction programme.

Cutting

If Rapidobat tubes need to be shortened on site, cut only from the bottom of tube using a fine tooth blade (cutting from the bottom of the tube ensures that the function of the tear-off strip is not necessarily affected). Re-seal the liner to the cut rim with a proprietary formwork tape.

Placing Concrete

Up to 4m high and/or up to 450mm diameter, normal pouring methods (eg. by skip or bucket) can be used. Over 4m high and/or 450mm diameter, place concrete by pump and hose. Place concrete slowly to eliminate air entrapment between tube and liner. Only vibrate from inside the tube.

Stripping

Do not strip within 48 hours of pour.

1. Pull special tear-off strip down full length of tube.
2. Flap open the tube and push off of column.
3. Remove inner liner from column and inspect the concrete finish.
4. Replace the Rapidobat tube for protection to the newly cast column.

Securing the Base of the Tube



Securing the Top of the Tube



Stripping



Wales and West Branch
Unit 51,
Portmanmoor Road Industrial
Estate,
Ocean Park,
Cardiff CF24 5HB

Thames Valley Branch
Unit 26A,
Techno Trading Estate
Ganton Way,
Swindon,
Wiltshire SN2 8EZ

London/Luton Branch
Unit 3,
Stadium Industrial Estate,
Cradock Road,
Luton,
Bedfordshire LU4 0JF

North and Scotland Branch
Unit 16G,
Follingsby Avenue,
Gateshead,
Tyne & Wear NE10 8YF