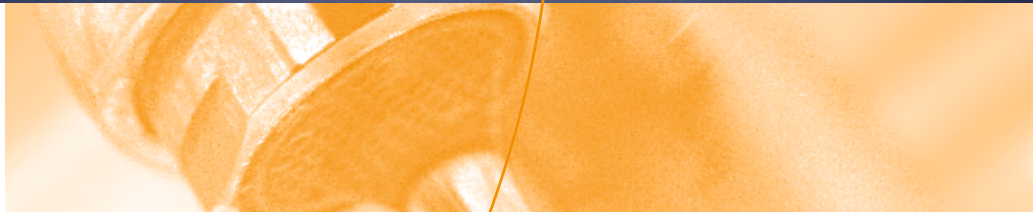


FRÄNKISCHE

BUILDING TECHNOLOGY



**turatec® multi** – Composite pipes for water supply  
and heating systems



### Combines the advantages of metal

- Low thermal expansion
- Impermeability to diffusion
- Dimensional stability

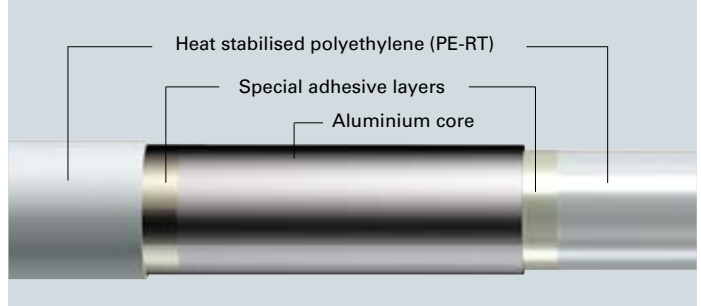
### and plastic

- Resistant to corrosion and incrustation
- Light-weight

### Premium material

- Internationally accredited and approved
- Hygienically sound
- Dimensions range from sizes of 16 to 32mm
- Wide assortment of fittings
- Intelligent fittings with 3 possible crimping contours (F-TH-B)

### Metal and plastic combined



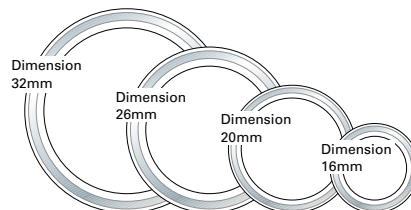
## turatec® multi – A high-quality composite pipe

### The composite pipe

The superior composite pipe for use in heating and drinking water systems consists of an inner and outer layer of raised temperature resistant polyethylene (PE-RT) and a WIG welded aluminium core. The 3 layers are permanently bonded together by intermediate adhesive layers - for highest demands, outstanding reliability and excellent durability.

### Pipes to measure – up to 32mm

We offer turatec multi in different sizes ranging from 16 to 32mm, coiled, to match specific situations. All pipe dimensions can be efficiently bent. The composite pipe provides optimum bend radii – dimensions up to 20 mm can easily be bent by hand.



### The advantages

- Excellent sound absorption properties
- Optimum flow properties
- Corrosion resistance
- High chemical resistance
- Superior compatibility with other materials
- Low linear thermal expansion, comparable to copper

#### Critical for water supply piping systems

- Hygienically sound
- Incrustation-resistant

#### Critical for heating systems

- 100 percent oxygen-impermeable
- Maximum operating pressure of 10 bar at a maximum continuous operating temperature of 70°C
- Maximum operating temperature 95 °C



DW 8236BP0281



International accreditations and approvals are numerous and certify the system's high quality.

**CERTIFICATE No. 08/0304**

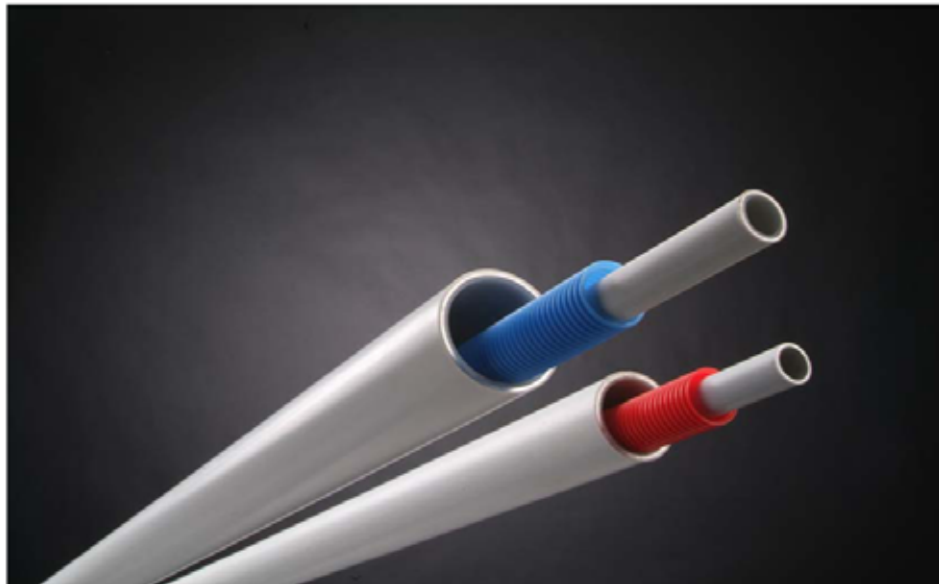
Frankische Rohrwerke, Gebrüder Kirchner GmbH & Co. KG,  
Hellinger Strasse 1,  
D – 97486 Königsberg,  
Germany.  
PH. 0049 9525 88773  
FAX. 0049 9525 8892773

## TURATEC Plumbing, Central & Underfloor Heating System

### Tubes et Raccords Rohre und Anschlusse

The Irish Agrément Board is designated by Government to issue European Technical Approvals. Irish Agrément Board Certificates establish proof that the certified products are 'proper materials' suitable for their intended use under Irish site conditions, and in accordance with the **Building Regulations 1997 to 2007**.

The Irish Agrément Board operates in association with the **National Standards Authority of Ireland (NSAI)** as the National Member of UEAtc.



#### PRODUCT DESCRIPTION AND USE

This Certificate relates to **Turatec** multilayer barrier pipes. The **Turatec** multilayer pipes are manufactured from high density PE-RT polyethylene plastic with an aluminium layer at mid-wall thickness. The pipe has been developed for hot/cold water services, central (radiator) and underfloor heating systems. The aluminium layer at mid-wall thickness acts as an oxygen barrier and the pipe is white in colour. **Turatec** pipes meet the requirements of Classes 2/5 service conditions specified in Tables I of ISO 10508 and complies with ISO/DIS 21003 *Multilayer piping systems for hot and cold water installations – inside buildings*.

#### MANUFACTURE AND MARKETING

The product is manufactured by :

Frankische Rohrwerke, Gebrüder Kirchner GmbH & Co. KG,  
Hellinger Strasse 1,  
D – 97486 Königsberg,  
Germany.

and marketed by:  
Unitherm Heating Systems Ltd.,  
Peamount Business Centre,  
Newcastle,  
Co Dublin.

Readers are advised to check that this Certificate has not been withdrawn or superseded by a later issue by contacting the Irish Agrément Board, NSAI, Glasnevin, Dublin 9 or online at <http://www.nsa.ie/modules/certificates/uploads/pdf/IAB080304.pdf>