



## AWARD: COMPANY OF THE YEAR 2015

aquatherm Russia was nominated for "Company of the year 2015" in Russia. This status is a symbol of the success of our company and the superiority over the competitors. We owe this to our reliable, well-organized staff and the professional business management. The award reflects our daily living corporate values and shows: We are "state of the pipe", because we act independently and decisively, always reliable which makes us the leading manufacturer of polypropylene pipes.

We are very pleased about this success, because it is a further step to strengthen our competitive position and to meet the high standards and responsibility towards customers, partners and our environment.






## AQUATHERM PIPE SYSTEMS WITH DOYMA „CURAFLAM SYSTEM XSPRO“

Not only the pipe system itself needs to be protected to prevent a fire spreading, but prior also the pipe penetrations through the walls and ceilings, for which a fire resistance periode is required. The aquatherm pipe systems up to 110 mm outer diameter for pipe installations, potable water, chilled and heating pipes and sprinkler systems have been tested and approved for the installation with the Doyma "Curaflam System XSPro" in walls and ceilings by the German Institute for Building Technology (DIBT) (general building approval No. Z-19.53-2182). Approval extension for bigger pipe dimensions from an outer diameter of 125 mm is applied.

More information can be found in the technical brochures of aquatherm pipe systems or can be downloaded under [www.aquatherm.de](http://www.aquatherm.de).


Allgemeine bauaufsichtliche Zulassung  
Nr. Z-19.53-2182 vom 13. Mai 2015



**2 Röhre für Rohrleitungsanlagen für Trinkwasser-, Kälte- und Heizleitungen sowie Sprinkleranlagen**

Einbau in mindestens 10 cm dicke Wände oder in mindestens 15 cm dicke Decken

Einbau:



Name	SDR	Ø	s	PE-Streifen <sup>3</sup>
Röhre nach DIN 8077	SDR 8 bis SDR 11	32 - 110 <sup>10</sup>	2,9 - 18,3	0-3

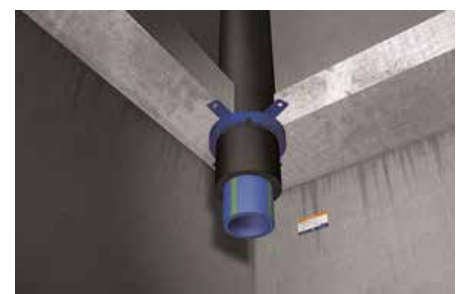
Röhre der Firma aquatherm

Name	SDR	Ø	s	PE-Streifen <sup>3</sup>	Synthese-Kautschuk <sup>4</sup>
green pipe (ehemals "Fusiotherm Rohr")	SDR 6, SDR 7,4 und SDR 11	16 - 110	1,9 - 18,3	0 - 5	0 - 50
green pipe MF (ehemals "Fusiotherm Faserverbundrohr")	SDR 7,4	20 - 110	2,2 - 15,1	0 - 5	0 - 50
blue pipe (ehemals "Climatherm Rohr")	SDR 11	20 - 110	1,8 - 10	0 - 5	0 - 50
blue pipe MF (ehemals "Climatherm Faserverbundrohr")	SDR 7,4	20 - 32	2,8 - 4,4	0 - 5	0 - 50
	SDR 11	32 - 110	2,9 - 10	0 - 5	0 - 50
blue pipe MF OT (ehemals "Climatherm Faserverbundrohr sauerstoffdicht")	SDR 7,4	20 - 32	2,8 - 4,4	0 - 5	0 - 50
	SDR 11	40 - 110	3,7 - 10	0 - 5	0 - 50
ilac pipe (ehemals "ilac")	SDR 7,4	20 - 110	2,8 - 15,1	0 - 5	0 - 50
red pipe (ehemals "Firestop")	SDR 7,4	20 - 110	2,8 - 15,1	0 - 5	

<sup>3</sup> PE-Schaumstoff-Streifen gemäß Abschnitt 3.2.2; Dicke gemäß Tabelleneintrag [mm]  
<sup>4</sup> wahlweise mit Synthesekautschuk-Isolierung gemäß Abschnitt 3.2.2; Dicke gemäß Tabelleneintrag [mm]  
<sup>10</sup> wahlweise eingemörtelt in der Decke

Rohrabschottung "Curaflam System XS <sup>SM</sup> " bzw. "System FS-M R1" der Feuerwiderstandsklasse R 90 nach DIN 4102-11	Anlage 26
<b>ANHANG 2 – Zulässige Röhre und Anwendungsbereiche</b> Aquatherm-Röhre im Wand- und Deckeneinbau	

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# TECHNEWS

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## AQUATHERM IN THE US SPORTS NEWS

Have you heard, perhaps some weeks ago, of the third coldest game in the history of the National Football League (NFL)? The NFL playoff game between Minnesota Vikings and the Seattle Seahawks took place at -21 °C in the TCF Bank Stadium in Minnesota. Both, the national and the international press have reported on this event a lot.

Fortunately, in the fall of 2014 we have installed just in this stadium the first under-soil heating in the USA with our aquatherm blue pipes, which were able to convince under these extreme conditions. While the "live broadcast" of the most popular sport of the Americans, was an intensive discussion about our under-soil heating before the start of the match. We are glad that we were able to secure the detail of the transmission and of course we don't want to keep this back from you.

The video is available for download at the following link

[www.aquatherm-pipesystems.com/TCF\\_Stadium\\_Minnesota.mp4](http://www.aquatherm-pipesystems.com/TCF_Stadium_Minnesota.mp4)



*Fox Sports reporter Jennifer Hale showed a cutaway of aquatherm pipe when explaining how well the field heating system was performing during the Vikings-Panthers game in November 2014.*

### PROJECT:

TCF Bank Stadium / Radiant Field Heating

### PRODUCTS:

**aquatherm blue pipe**

### LOCATION / DATE:

Minneapolis / Spring 2014

### THE CHALLENGE:

Finding a single pipe material to provide 38 miles worth of ultra-reliable radiant heating to the stadium's new playing surface

### THE SOLUTION:

**aquatherm blue pipe** was able to handle higher operating temperatures than most other thermoplastic systems and the entire system was leak-free, while offering a 10-year multimillion dollar warranty





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## AQUATHERM ADVANTAGES:

- Using heat-fused Aquatherm eliminated the need for roughly 4,000 mechanical joints, most of which would be buried beneath the playing field
- Designers liked that the entire field heating system, which included several hundred sections of pipe and thousands of fittings and manifolds would be seamless
- Aquatherm handled the required higher-than-normal temperatures necessitated by the aggregate substrate beneath the synthetic turf field

**“AS WE TOOK A CLOSER LOOK, WE BEGAN TO SEE THAT THIS PRODUCT [AQUATHERM] COULD MEET AND EVEN EXCEED SOME OF THE INTERESTING CHALLENGES OF THIS PROJECT.”**

Brian Storm, President and CEO, Fields Inc., Canton, GA



*The supply and return lines along the edge of the field, with the fusion outlet-connected coil tubing covered by sand.*



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## ZURO-CONSTRUCTION SITE UP-DATED WEBCAM-PHOTO

As already described in Technews No. 1 2015, you can select the up-dated Zuro-Webcam on the homepage of our website [www.aquatherm.de](http://www.aquatherm.de). The photo is updated and rewritten every ten minutes around the clock.

The most recent photo of our construction project is presented in each Technews edition:

## HERE ARISES ZURO – THE FUTURE OF PIPE PRODUCTION

