



THE NEXT GENERATION OF COURT CONSTRUCTION

COURTECH
WE MAKE COURTS 

COURTTECH

About us

ONE COMPANY: TWO DIVISIONS

CourtTech @ Lake Chiemsee, is a world leading Squash manufacturer with headquarter in Seebruck, Germany. With over 25 years experiences, we know the secrets of success in the leisure & squash market. This has led us to establish a new division, CourtTech Consulting in 2015 allowing the creation of economically successful facilities. The new division's focus is on providing tailored advice and consulting in the field of leisure facilities, to ensure success from the beginning.

"CourtTech Consulting will enhance productivity of both divisions, so CourtTech continues to gain recognition as one of the international's up-and-coming companies in the leisure market."

Markus Gaebel
Managing Director of CourtTech

PERFECT SQUASH COURTS: MADE IN GERMANY

We believe in scientific-based German engineering – offering you the world's leading squash courts. With the help of our partner, the University of applied science of Rosenheim in Germany and Regnauer Fertigungsbau, CourtTech has developed a world-class engineered squash court wall system. Our expertise and process is what makes us the best. Driven by university-based research, we make the perfect court even better.

"German engineering – in my opinion, it's no secret why CourtTech builds the best squash courts"

Sarah Fitz-Gerald
5 x World Squash Champion, Commonwealth Games Gold Medallist

COURTTECH CONSULTING: BEST PRACTICE & MARKET KNOWLEDGE

In the leisure market there is a huge variety of "the best" business concepts. We consider various factors when deciding on the right concept. We've accumulated 25 years experience in the market. Knowing what's come before us, we know how to make future projects successful. And every day we learn a little bit more. We believe, that no one has more in depth experience to share with you. Our network extends to over 40 countries and includes consultants, elite athletes and specialists in the sports and leisure industry, giving us the credentials to best serve you.

"The Fusion of 25 years of market knowledge and applied science is the strong foundation of CourtTech Consulting. Theory and experience goes hand by hand."

Dr. Hans-Jörg Weber
Head of CourtTech Consulting

**WORLD
SQUASH**

COURTTECH SQUASH COURTS -
COMPLETE COURT
ACCREDITATION 2015

WSF



Bird's-eye view on Regnauer & CourtTech, Seebruck @ Lake Chiemsee, Germany



High-quality guaranteed by CAD-based German engineering & production



Container loading of CourtTech System Walls to our clients



CONSULTING

Your success is our passion

COURTTECH CONSULTING: OUR ROOTS

Our roots can be found in 25 years of experience in consulting, planning and building Squash Courts for international investors. We understand what it takes to make the introduction of squash into a sports facility highly profitable and to consistently deliver double digit returns for your sports facility. Squash is a highly communicative sport and by introducing this atmosphere and energy to the sports facility, it not only increases choice of activity but enhances the overall experience for members and guests.

CHALLENGES OF THE LEISURE MARKET

These are the fundamentals to consider when setting out plans for a successful development at a leisure facility.

Long-term investments within permanent changes in the industry:

“What do I have to consider to ensure that the sports facility will be just as fashionable in a decade as it has been from the first day?”

Continuous market innovation & trends:

“New Trends appear and diminish – which one is the right?”

Clear customer orientation:

“Every activity has its own type of user – which are the perfect matches?”

CUSTOMER SATISFACTION IS THE KEY OF SUCCESS

To achieve high customer satisfaction following has to be considered:

Sporty & healthy environment

Which are the key components to create such an environment?

Share time with friends

How to create a long time bonding of club members?

Take me by the hand

How to create a personal coach feeling in my club?

Demographic change, Internet and Individualization have favoured the growth of loneliness in our society. Therefore the need of people to overcome loneliness is an important motivation to experience a sense of belonging.

KEY PARAMETER OF A SUCCESS CONCEPT

Considering the challenges and the customer satisfaction, leads to a logical conclusion. The success concept is based on four elements. The heart of this concept is a vital **Communication** core to overcome the discussed loneliness. The goal is to create a so called **third place**. The first place is the home and the second place is the workplace. In other words: The third place is the main place to go in **leisure time**.

The second element **Sport** uses a holistic programming which means, that Club activities consider **hybrid concepts**. This means for example to combine high intensity and low intensity activities to create synergy effects. To satisfy peoples **“play instinct”** - which they normally cannot run free is as important as taking the **personal coaching effect** into account, to transform the **“loneliness”** of people.

The aspect of **Recovery** is mostly unconsidered by nearly all leisure clubs worldwide. Defined as physical recovery – as science clearly overwhelming shows – recovery is as important as the sport activity itself. We use **state of the art** sport specific recovery methods which are used by **professional athletes**.

The fourth element is labelled **Relaxation** and means taking off tensions caused by daily life and hard work. For that purpose we apply recovery and slow down techniques to **reset body, soul and mind**.

This approach offers to the investor a planning security, it satisfies the customer needs for community, sports activity, recovery and relaxation. Taking this concept into consideration will allow you a **responsible long-term investment** in the leisure market.

IF YOU ARE PLANNING A LEISURE CENTRE YOU SHOULD TALK TO US.



THE FOUR ELEMENTS OF A SUCCESSFUL CLUB CONCEPT.



COURT DESIGN

General points to be considered during the design phase

Every type of squash court wall has specific on-site dimensions and characteristics for the installation. It is important to clarify the technical details of the squash court during the design phase. The most important questions are:

1. WHICH TYPE OF COURTECH WALL MEETS YOUR REQUIREMENTS?

CourtTech offers two different types of wall, the CT System Wall and the CT Half System Wall. Of course it is also possible to combine both of these CourtTech wall types in the same court.

The 94 mm thick CT System Wall is completely free-standing and no supporting masonry walls are necessary. In principle a CourtTech system walls can be placed in the middle of a large hall without any connections to the building whatsoever.

The 40 mm thick CT Half System Wall is made of the same material as the CT System Wall, however it is fixed to existing masonry or concrete walls. It is very important to clarify whether the existing masonry wall will be suitable for CT Half System Walls. Internal dimensions between structural walls need to be carefully considered with this type of court.

2. WHICH TYPE OF COURTECH GLASS BACK WALL?

For player-safety the glass back wall is the most important component of a squash court. CourtTech offers glass back wall with either frames or glass fins. Basically frame glass back walls are the most popular solution due to their lower installation space and their stable construction. The only reason for a fin glass back wall are spectator areas behind the court because of a less obstructed view.

3. WHICH TYPE OF COURTECH FLOORING?

Squash court floors should be constructed of a light coloured hard wood to comply with World Squash Federation requirements. For player comfort and safety the flooring should be fully sprung in accordance with the latest European Performance Standards EN14904:2006.

4. WHICH TYPE OF COURTECH LIGHTING?

The minimum lighting level according to the WSF is 300 lux. The favourite lighting level is 500 lux. CourtTech offers two types of lighting system, a fluorescent tube system and a LED tube system. The higher price of the LED tube system will amortize itself very soon as it has an estimated lifespan of 5 times longer than normal lighting and additionally saves a minimum of 60% of the energy costs.

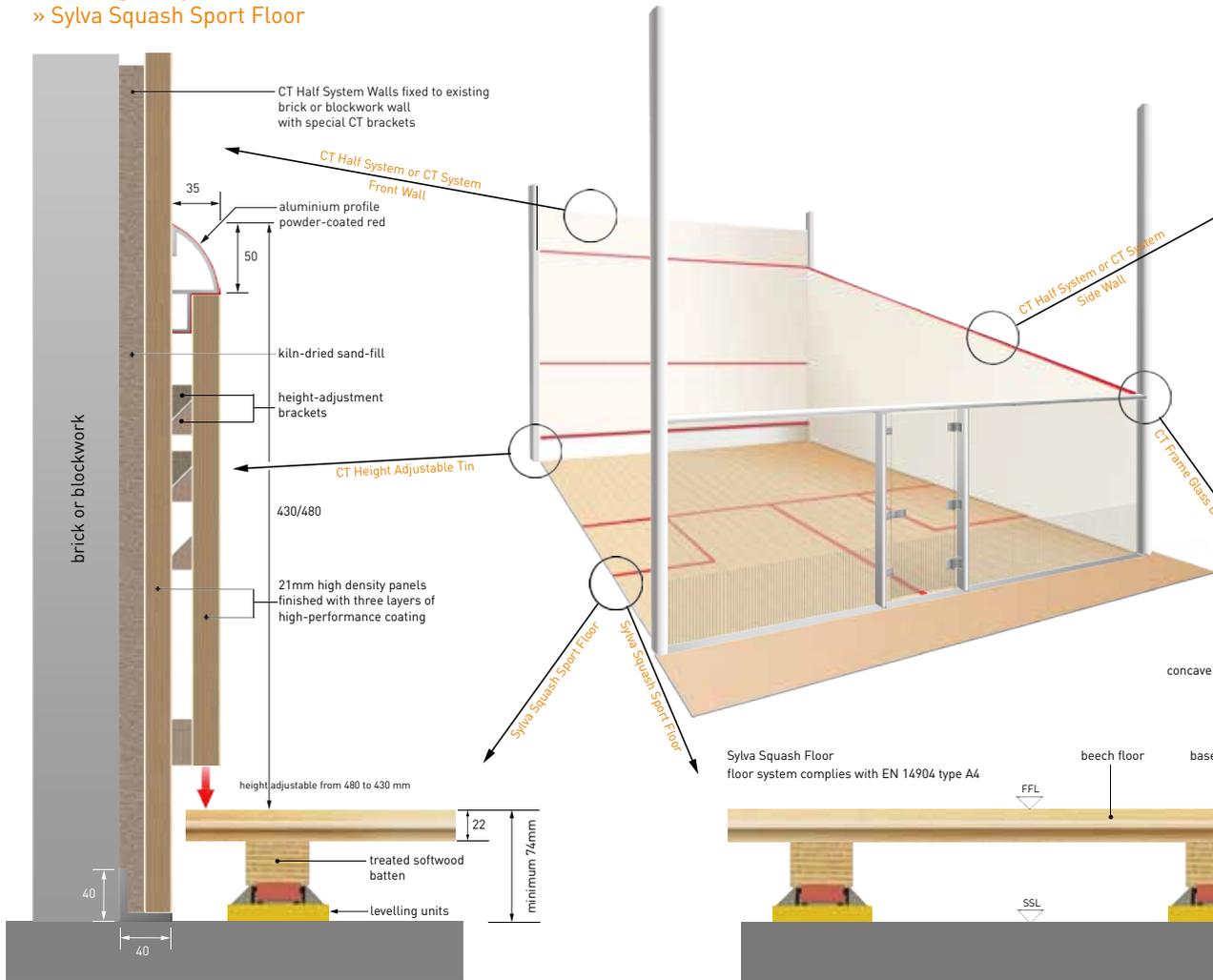
NO. OF COURTS	TYPE	LENGTH	WIDTH
1	CT System Court	min 10100 mm	min 6640 mm
2	CT System Courts	min 10100 mm	min 13140 mm
3	CT System Courts	min 10100 mm	min 19630 mm
4	CT System Courts	min 10100 mm	min 26130 mm
5	CT System Courts	min 10100 mm	min 32600 mm

Dimensional requirements for courts with CT System Walls

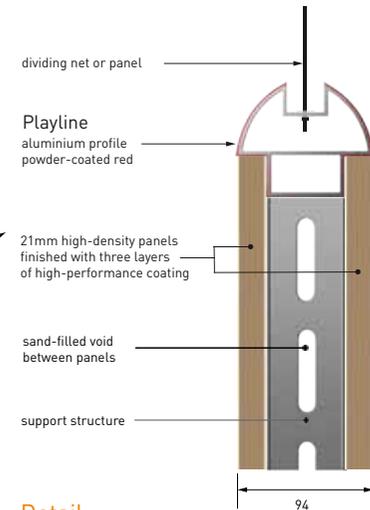
NO. OF COURTS	TYPE	LENGTH	WIDTH
1	CT Half System Court	min 10000 mm	exact 6480 mm
2	CT Half System Courts	min 10000 mm	exact 12980 mm
3	CT Half System Courts	min 10000 mm	exact 19470 mm
4	CT Half System Courts	min 10000 mm	exact 25960 mm
5	CT Half System Courts	min 10000 mm	exact 32460 mm

Dimensional requirements for courts with CT Half System Walls

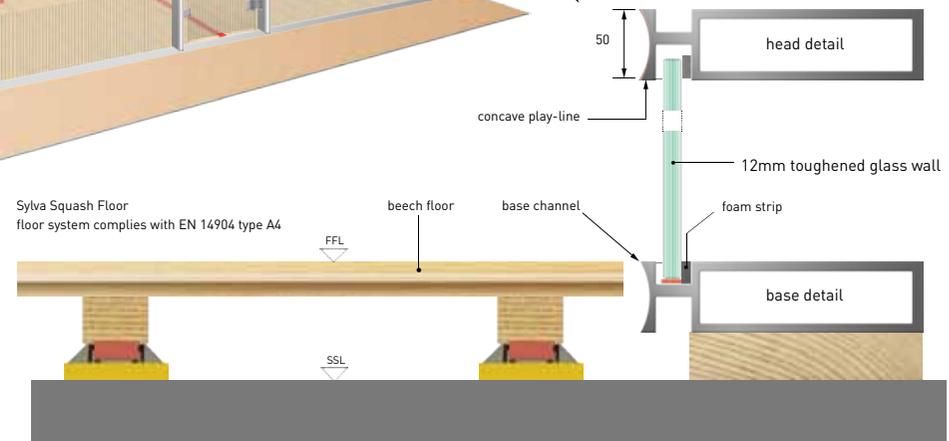
Detail
 » CT Half System Wall
 » CT Height Adjustable Tin
 » Sylva Squash Sport Floor



Detail
 » CT System Wall



Detail
 » CT Frame Glass Back Wall
 » Sylva Squash Sport Floor

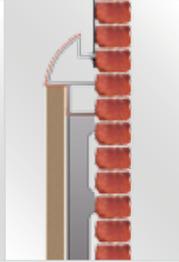
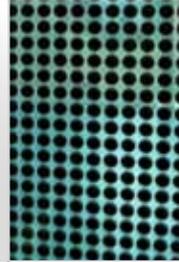


All dimensions given in millimetres / All court markings 50 mm wide



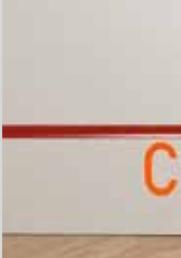
COURT TYPES

Solutions for every need & demand

	SYSTEM WALLS		SPECIAL WALLS		
	System	Half System	Glass	Movable	Painted
					
CT LEISURE Court The economical solution		✓			✓
CT CLUB Court The classic model	✓	✓			
CT PRO Court Fulfils the highest professional demands	✓		✓		
CT FLEXI Court One court for unlimited activities	✓		✓	✓	
CT GLASS Court Provides the best possible viewing experience for spectators			✓		

Wall Colours

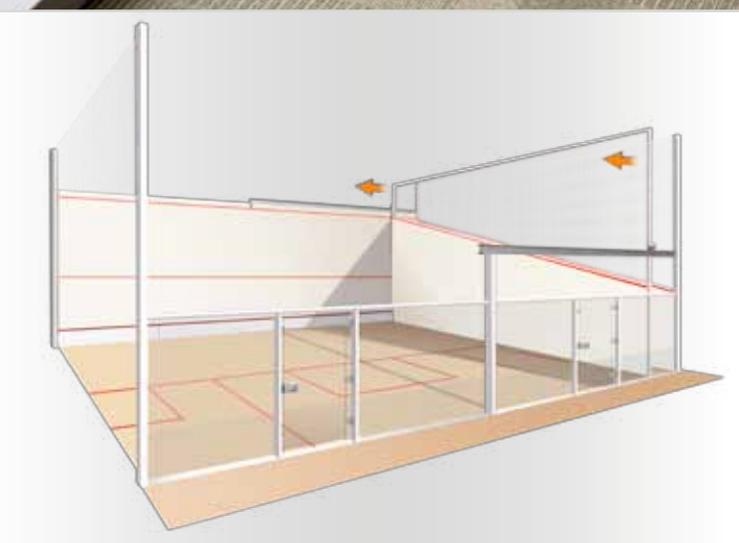
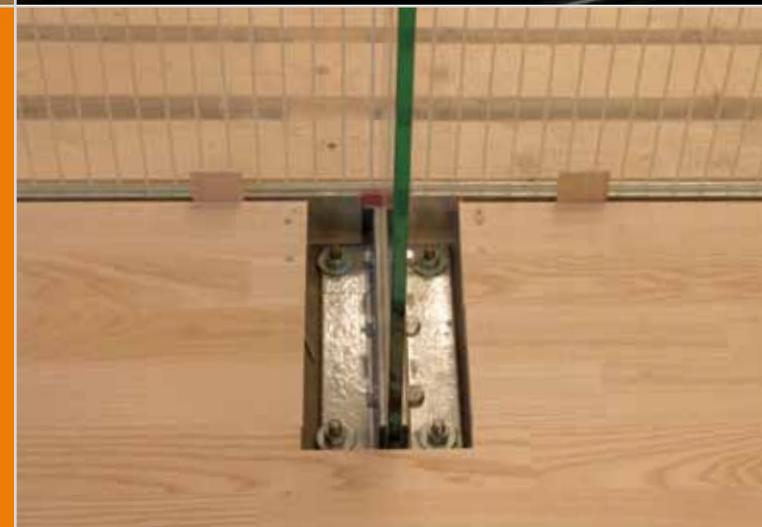
The CT System Walls are available in 200 colours. The recommended colours are:

GLASS		TIN			FLOOR		HEADER		LED LIGHTING	
Fin	Frame	Standard	Height Adjustable	TV Window	SylvaSquash	CourtTech	Net	Board	Floodlight	Standard
										
✓	✓	✓				✓				✓
✓	✓	✓	✓		✓	✓	✓	✓		✓
✓	✓		✓	✓	✓	✓	✓	✓		✓
	✓	✓	✓	✓	✓		✓	✓		✓
✓			✓	✓	✓		✓		✓	



RAL 1016	RAL 1018	RAL 1033	RAL 2003	RAL 2011	RAL 5012	RAL 5024	RAL 6018	RAL 6019
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CT LEISURE Court

The economical solution

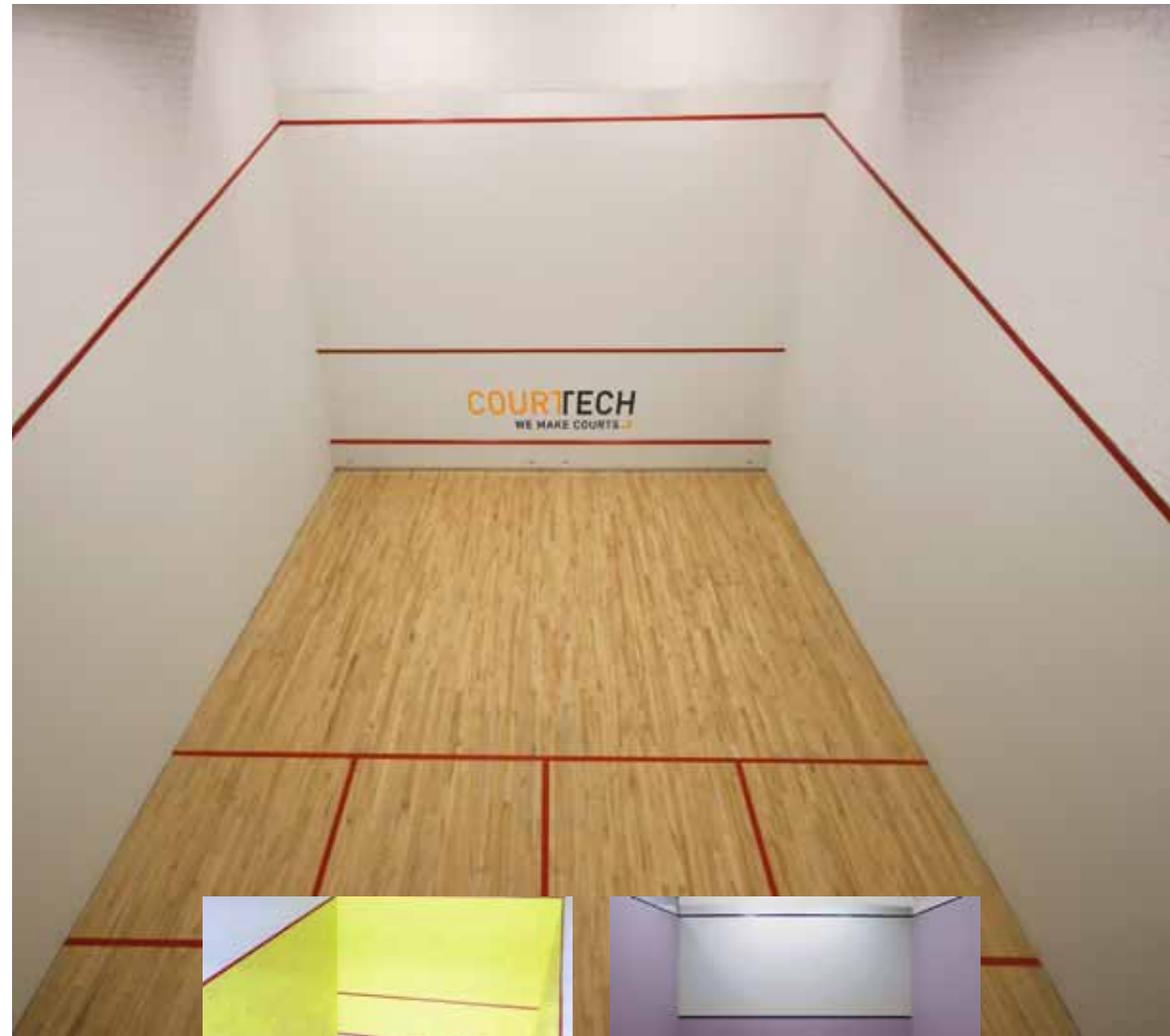
The CT LEISURE Court is the perfect solution for clubs and public facilities looking for financially sound solutions, but who don't intend to host international events.

The highly engineered CourtTech court walls fulfill all requirements for squash.

CT LEISURE Court provides perfect playing characteristics and durability in the most economical way, and has already been successfully installed in many locations around the world.

CT LEISURE Court is quick and easy to install, allowing for immediate usage after installation. Sand filled CT walls provide a perfect ball bounce and wall construction absorbs impact and vibration. The playing surface is completely smooth, flat and joint-free. The tongue and groove connection between panels guarantees durability and is suitable for all climatic conditions and humidity levels.

CourtTech walls are available in a vast range of colours to suit your choice. We recommend the use of pastel colours to give your courts a welcoming and light appearance, and to ensure ball visibility.



Painted CT LEISURE Court



Painted CT LEISURE Court

CT CLUB Court

The classic model

The CT CLUB Court is the classic squash court model, enjoyed by athletes in a great number of countries around the globe. CT CLUB Court fulfils all requirements of the World Squash Federation (WSF) for internationally sanctioned events. The CT Walls, the CT Glass Walls and the Junckers SylvaSquash Sport floor are approved and certified by the WSF.

The WSF approved and certified CT Height Adjustable Tin can easily be modified in seconds to comply with the playing height stipulated by the Professional Squash Association (PSA).

The CT CLUB Court provides complete acoustic sound insulation: CT System Walls prevent vibration transmission to other parts of the building. This is an important consideration in hotels, offices and residential buildings where squash courts may be located in a central area.

The CT CLUB Court allows provision to close off the court from other building areas to conserve energy and to save on heating or air conditioning. CT Walls are considered as a Mobile Economical Goods in many countries around the world, enjoying various tax advantages.

Fully sprung flooring provides excellent shock absorption, resilience and ball response. It absorbs impact energy, safeguarding the health and fitness of your customers by helping to prevent damage to knees, ankles and lower backs.



CT CLUB Court with Half System Walls



CT CLUB Court with System Walls



CT PRO Court

Fulfils the highest professional demands

The CT PRO Court is the top model from CourtTech and features anything - within reason - that you can think of! Your wish is our command!

The heart of the CT PRO Court is the CourtTech CCS (Camera Coaching System). Its hardware consists of two to four HD camera and HD video servers that are permanently installed in the CT PRO Court. The positions of the cameras within the court have been specially optimized for squash.

The revolutionary software system enables interactive communication between coaches and players over the Internet but also on site. Along with the software, the user has access to a pool of internationally recognized coaches that are available to hold training sessions for individual players or groups via the Internet at any time. In addition, live streams and video recordings of important tournaments and/or matches are available online and thus the court in your club becomes a stage on the international Squash Circuit.

The CT LED Squash Court Lighting has been especially developed by CourtTech with a Chinese manufacturer in cooperation with a German engineering company. It's a special LED tube system, to upgrade normal squash lighting. As it saves a minimum of 60% of the energy costs, the investment will amortize itself in less than two years. Also, it has an estimated lifespan of 5 times longer than normal tube lighting.



CT LED Squash Court Lighting



Window for TV and photographers

CT FLEXI Court

One court for unlimited activities

The CT FLEXI Court is specially designed for Doubles Squash. The WSF Squash Court Specification gives the dimensions of a doubles squash court as 7620 mm. For WSF recognized world and regional events and Commonwealth Games, the width of the court between playing surfaces may be increased to 8420 mm. With the CT FLEXI Court you can play both types of Doubles Squash. The gap between the CT Movable Side Wall to the front and to the glass back wall is less than 8 mm in compliance with the WSF specifications. The CT Walls, the CT Movable Side Wall, the CT Glass Walls and the Junckers SylvaSquash Sport floor are all approved and certified by the WSF.

The CT FLEXI Court is not only just a squash court it is a multipurpose gymnasium for every type of indoor sport. Within one minute one person can easily move the movable CT system side wall to open up two squash courts to an area of 128m², or three squash courts to an area of 192m², or four courts to an area of 256m² or even more. The possibilities are unlimited: Indoor Football, Basketball, Badminton, Paddle Tennis, Dance and Aerobics are just some of the alternative activities CT Flexi Courts can be used for. CT Flexi Courts optimise space usage, and the return of investment is higher than for single-use squash courts.



CT FLEXI Court in doubles position



Soccer on the CT FLEXI Court



CT GLASS Court

Provides the best possible viewing experience for spectators

The CT GLASS Court is the perfect showpiece for professional squash. One of our main focuses during the development of this brand new court was to create an unrivalled atmosphere for the biggest events in world squash. What's more Court-Tech has added some new ingredients to make the Glass Court look better and enable easier handling.

A special platform has been developed to allow the installation on every kind of surface. Height differences up to 200 mm can easily be levelled. The CT GLASS Court stage gives the court a boxing ring atmosphere and a professional appearance.

Revolutionary LED Lighting is supplied with the CT GLASS Court. This creates a much cleaner and whiter light, with greater brightness. It can also be supplied in variously coloured light shows. The LED lighting can be instantly turned on and off, enabling promoters to experiment with lighting effects before and after matches, even during breaks between games. LED lighting substantially decreases electricity consumption and ensures functionality in the event of a power failure.

The demountable flooring consists of prefabricated modules for quick and secure handling. The floor is unsealed and for better visibility of the white tournament squash ball a dark smoked oak is used instead of beech.

Between the top of the glass and the lighting units a special membrane is installed. This is an optimum area for sponsor logos.



Demountable sport floor
in smoked oak



LED Lighting

CT RENOVATION Wall

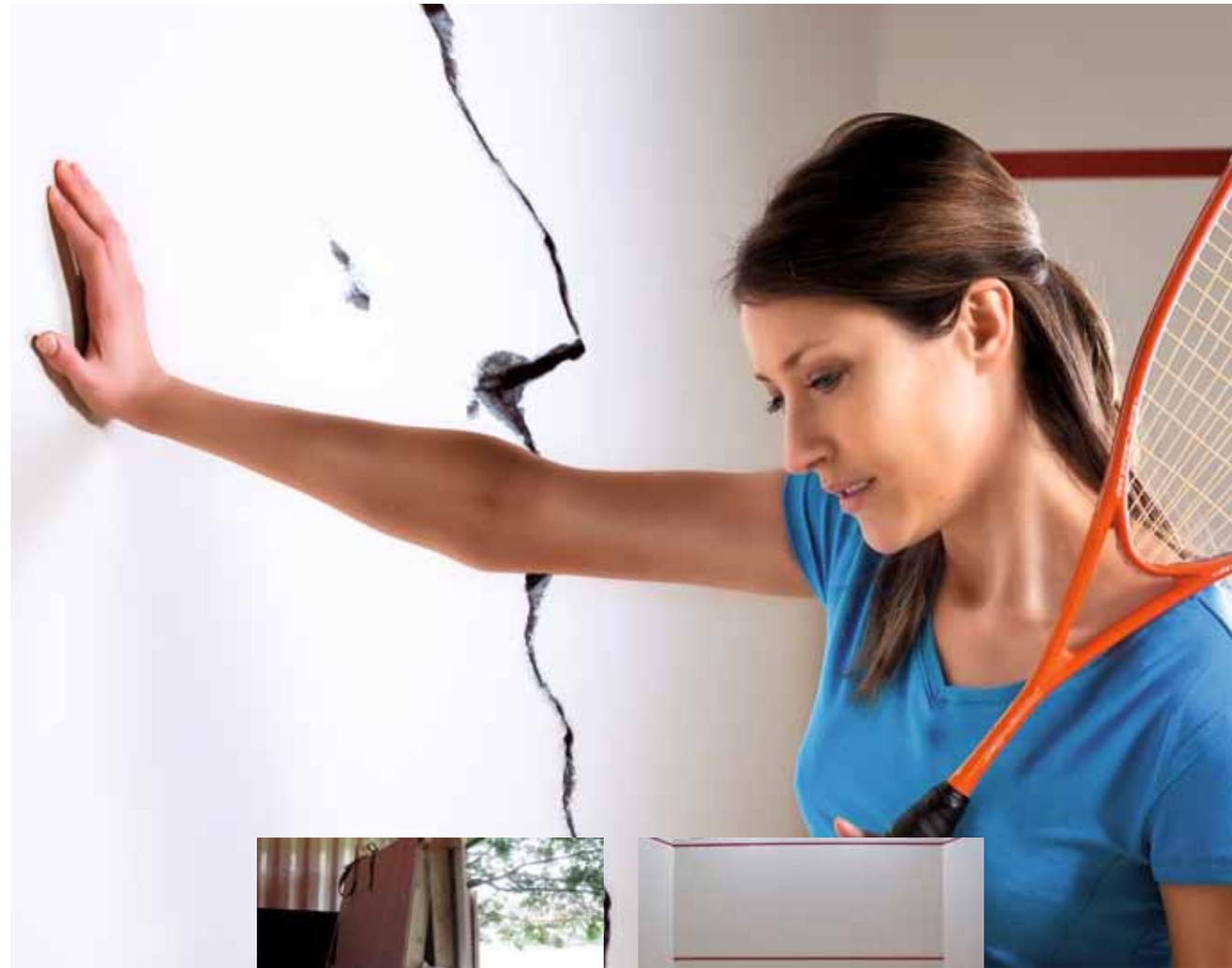
A tough and durable solution
for problem walls

CT RENOVATION Wall is a permanent solution to problem squash walls, which suffer from recurrent plaster cracks, building movement, open joints or the host of other factors that can spoil the game and cost you money. CT RENOVATION Wall provides the ultimate renovation solution. No more costly repairs and no more lost playing time!

CT RENOVATION Walls consist of composite tongue and groove panels, back-filled with kiln-dried sand, forming a dense, flat, jointless and perfectly levelled playing surface. The total construction thickness of the CT Half System Wall is only 40 mm - well within the tolerance allowed by the WSF for renovated courts.

The WSF specification (§ 4.3.) notes that "for existing courts ...where the wall playing surface has deteriorated beyond economic repair then the use of a wall renovation system might be considered. In these circumstances, it is recommended that the court plan dimensions are not reduced by more than 80 mm from those noted above."

CT Walls are approved and certified by the WSF. Therefore squash courts renovated with the CT Half System Wall fully comply with WSF guidelines.



The delivery with pallets for easy handling



Court after the renovation with the CT Half System Wall





Darwin Squash Centre - AUSTRALIA



Hasta La Vista Wroclaw - POLAND



Villa Paradise Island - THAILAND



St. Paul's School Lutherville - USA



COURTTECH

ROCKING ALL OVER THE WORLD



Chelsea Piers Stamford - USA



David Lloyd Beckenham - GREAT BRITAIN



Courbevoie Squash Centre - FRANCE



Sofia Squash Centre - BULGARIA



Bordeaux Nord Squash - FRANCE



Missouri Athletic Club - USA



Guia de Isora Tenerife - SPAIN



Forest Club Powai - INDIA



Olympic Club St. Petersburg - RUSSIA



Viva City Cluj - ROMANIA



Alderley Edge Cricket Club - GREAT BRITAIN



Fitness World Ellebjoerg - DENMARK



Rezydencja Foksal - POLAND

THE WORLDWIDE NETWORK



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QATAR

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