### Highlights of the Dublin congress: Awards of the IFD

- Successful IFD Congress in Dublin
- Award of the IFD prizes for the first time
- Interesting meetings

# The International Federation for the Roof Trade, IFD hosted the 59th IFD congress and the first award of the IFD prizes in Dublin, Ireland

Already in 2002, the Irish federation, RCCA successfully carried out the IFD-Congress and the World Championship for Young Roofers in Dublin. This year the second congress took place in Dublin, however, this time without a World Championship. Hereby, a change which was concluded some time ago, was carried through and taken place for the first time. The World Championship for Young Roofers will take place every two years (in even years). However, a competition for the awards of the IFD in the categories pitched roof, flat roof, metal roofing and facades were carried out for the first time this year. The first competition was received with a positive resonance. The entries showed excellent workmanship of the roofers. This competition was already a highlight in Dublin and it will be developed further. In the future, it will take place and be carried out every two years (in uneven years).

**Dublin** and **Ireland** have changed. Since 2002 the numbers of inhabitants have grown enormously. The Irish in comparison to many other countries, e.g. Germany, are a very young and traditional nation with many children. More than half of all Irish today are under 30. Over and above, the green island has developed in the last years into a new home for many migrants rather than from the classical emigration country. The percentage of foreigners has grown enormously due to the EU-expansion, but also due to migrations from non-European countries.

However, a lot has remained; the friendliness of the people, the desire to sing and dance, and the unstableness of the temperamental weather.

### **IFD-Commission meetings**

Before the congress officially opened on Thursday midday, the 3rd November, 2011, the delegates of the four commissions met for internal meetings. Thereby, the work of the last year was presented, new IFD-guidelines were passed and further activities agreed.

### Commission Research and Development

The meeting of the commission Research and Development already took place the day before on Wednesday, the 2<sup>nd</sup> November 2011.Unfortunately, the chairman of the committee; Sándor Horváth from Hungary could not attend and chair the meeting. He was, however, especially at the beginning of the meeting, connected live via the internet. His deputy, Heinz-Peter Raidt from IFD-Partner member Dörken GmbH & Co. KG in Germany chaired the meeting. He was able to welcome some new delegates from the USA and a new member. The Institute of Roofing from the United Kingdom became a new scientific member of the IFD only a week before the congress. Nevertheless, IoR director Roger White did not allow him to escape this chance and came to Dublin.

In this commission, questionnaires with regard to reconstruction were compiled in the last months and distributed as well as evaluated. Expert systems are diverted from this. The area of "reconstruction of pitched roofing construction" could be finalized extensively and the principle be adopted in Dublin. For frequently occurring pitched roof constructions detail applications are represented here. At the same time all aspects of a functional and sustainable

roof with roof covering are taken into consideration. Air tightness and energy efficiency are obvious.

The same system for waterproofing construction is also already far advanced and will be completed during next year.

### Commission General

This commission concerns among other things with economy, social, occupational development, organization and finances. IFD-president Piet Jacobs reported about the situation of the IFD and Director Detlef Stauch about the state of members. The IFD to date has 18 full members and 1 guest member. The roofing federation from Estonia, who is IFD guest member, placed a proposal during the congress in Dublin for full membership. The application was positively agreed on at the General Assembly, so that in November 2011 the IFD has 19 full members from 19 countries. Over and above, the IFD has 27 partner members, 4 co-operation partners and 3 scientific members. (see list of members). Next year, the IFD will commemorate its 60<sup>th</sup> year anniversary. In 1952 the IFD was founded by the roofing federations in Austria, Germany, Luxemburg and Switzerland. The first meeting took place in Munich, Germany.

Due to this occasion, the IFD wants to carry out an anniversary organization on the 1st of June 2012 in Munich and wants to publish a written booklet. Jacobs and Stauch reported on the details.

At the end of the commission meeting, Stauch demonstrated the possibility of the internet portal of the IFD for non-members and for members in the blocked area.

### Commission Pitched roofing and wall cladding

The chairman, Hansjörg Walliser from Switzerland could welcome a good 20 participants from the various membership countries and guests. He excused the deputy commission chairman, Stephan Eickhoff, Germany, who had to excuse him at short notice due to personal reasons. In the commission, the last state of the *IFD – Guidelines for the design and application of facades* was presented by Artur Wierschem. The IFD guidelines presented were unanimously accepted as a new guideline.

The work on the *IFD-guidelines for rain and snow protection* which begun some time ago was put to dormant because further activities are awaited by the members.

The work on the *IFD-guidelines for air tightness of roof and wall* should continue, so that a approval should become possible in the next year. Only after this should the work on further IFD guidelines regarding the subject matter of energy efficiency take place.

In the commission a recommendation by Werner Linhart from Austria was accordingly assessed, that the creation of an own IFD guideline for wind uplift protection would not be meaningful, because this could only entirely have general contents. It would have to refer to the respective national regulations in detail.

However, a platform should be created on behalf of the IFD, on which national treatises, guides, recommendations can be adjusted. Hereby the exchange of information is promoted within the member nations. The platform should of course be in the internal area of the IFD homepage, meaning not publicly.

### Commission Waterproofing

The chairman of the commission, Josef Rühle from Germany was ill, so that Gerhard Freisinger from Austria took over the chair of the meeting as deputy chairman of the commission. In the commission waterproofing, particular advice was taken for the *IFD-Guidelines for the Design and Application of Waterproofing for Structures* and the *IFD-Guidelines for the Design and Application of Roof Waterproofing - Flat Roof Guidelines*, including the according drawings. Further works on the drawings are necessary. But a

approval is planned for 2012. The respective text frames are supposed to be verified regularly for its relevance and are supposed to be adapted accordingly. For this, sessions of small working groups were determined.

### Opening of the congress on Thursday at noon

Alan Ahern, president of the Irish Roofing and Cladding Contractors Association RCCA welcomed the participants at noon after the commission meetings to Dublin, Ireland. He regretted that RCCA cannot align a world championship because of the economic development in the last years such as in 2002. He was delighted, however, that he was able to nevertheless welcome a pleasant number of delegates and guests.

The official opening of the 59th IFD congress then undertook, for the first time, IFD President Piet Jacobs from the Netherlands. He outlined the subjects and essential parts of the congress and thanked all, who contributed for a successful congress, especially the RCCA with Alan Ahern at the head.

### IFD-presidents certified as whiskey testers

RCCA-President Alan Ahern invited subsequently to a bus trip through Dublin. At the same time all participants had the possibility to recognize the development of Dublin to a modern, young city. In the Dublin Castle, the world-famous library was visited "Chester Beatty Library". Chester Beatty's library is looked at as the most important collection of manuscripts and books of a private collector. The treasures include some of the earliest well known copies of the four gospels and some very old fragments of the Old Testament as well as European manuscripts out of the Middle Ages, the renaissance and the modern age.

In the evening a visit to the old whiskey distillery "The old Jameson Distillery", was made. After a tour with subsequent Whisky tasting, the IFD Presidents Jacobs, Penrose and Olszewski were subjected to a special test. They had to try three types of Whiskey, from Ireland, Scotland and the USA, and then recognize and select the best. All three managed this task successfully and were rewarded with a test diploma. Dinner, Irish music and Irish dance rounded off the evening. A manager of the new IFD partner member from France, the company Dimos, surprised everyone when he played Irish music perfectly on the violin on the stage with the band.

### Irish minister at the IFD-conference

The actual conference program took place on Friday. IFD President Piet Jacobs was able to welcome many speakers.

Together with RCCA President Alan Ahern it was a special joy, to welcome Ruairi Quinn, the minister for education and training of the republic of Ireland.

In his speech, particular emphasis was played on the development and on future tasks in Ireland. He also expressed himself, however, to the current financial political situation in Europe.

All participants manifested at the end of the conference, that the mixture of the topics from politics, to Europe up to technical solutions and also the quality of the presentations were excellent and very interesting.

The participants were animated by the presentations, partially to lively conversations. In conclusion all IFD members were invited to the golf tournament 2012 at the ends of June in Scotland and to the IFD FAKRO Ski cup at the beginning of February to Poland.

Themes of the confere	ence program	
Welcome and opening	IFD president Mr Piet Jacobs	Piet Jacobs was for a long period the director & owner of the roofing contracting firm Jacobs Dakbedekkingen (founded in 1945). This Company, situated in Wanssum near Venlo in the Netherlands, developed since then to one of the most professional roofing companies of the region. Today his son runs the company.  Piet Jacobs is member of the Dutch pitched roof association HHD Het Hellende Dak. In Siofok, Hungary, in 2007 he was nominated by HHD and appointed by the members of IFD as IFD-Junior Vice President.  After three years he is the IFD-President for the period 2010 to 2013.
The RCCA and its impact on the Irish Roofing Market	Alan Ahearn, President RCCA (Roofing and Cladding Contractors Association)	Alan Ahern was elected as president of RCCA in 2011 (Roofing & Cladding Contractors Association). Alan has been involved in the construction industry since qualifying from college in 1989; with various qualifications from; Master of Science in Construction Management - Degree in Civil Engineering, -Structural Diploma in Engineering. In addition has taken various safety courses over the years; Safety Management in Construction / VCA – European Safety Diploma / CDM. After qualifying from college in the mid 1989, Alan worked with AMEC Construction UK, Takeda, M F Kent Nigeria and Kajima before joining SIAC Construction in 1998 (Private Company founded in 1913). Alan joined SIAC Construction in Feb 1998. In 2007 Alan was appointed Managing Director of SIAC Roofing + Cladding Ireland Ltd. Alan has vast experience working overseas in Civil, Structural and Roofing & Cladding operations in UK, Africa, Middle East as well as in Ireland and has managed numerous projects over his service with SIAC, including BMS, Genzyme, Wyeth, Takeda, Pfizer, Intel Israel, Liffey Valley, Merck Sharpe & Dohme, Kingsmill Hospital Mansfield and Plymouth Life centre.
The Irish Economy – an Overview	Ruairi Quinn, Minister for Education and Skills in the Republic of Ireland	Ruairi Quinn was appointed Minister for Education and Skills in March 2011.  Since being appointed Minister for Education Ruairi has begun the process of making various changes to the current Irish Education system.  Minister Quinn is also currently a TD for the Dublin South East Constituency. He represents Donnybrook, Sandymount, Ranelagh, Rathmines, Rathgar, Milltown, Terenure, Harold's Cross, the south east Inner City, Ringsend, Irishtown and Ballsbridge. Ruairi has been a public representative for the area since 1973.  The former Minister for Finance was leader of the Labour Part from 1997 until 2011 and is also currently the Vice President and Treasurer of the Party of European Socialists.  Formally a full time Architect Ruairi has had numerous amounts of his work published on housing, urban design, planning and environmental issues.  The now Minister has also Lectured in Architecture, Housing and Urban Design at School of Architecture, University College, Dublin.
2012 and Beyond	Tom Parlon, Director General of the Construction Industry Federation (CIF)	Tom Parlon is the Director General of the Construction Industry Federation (CIF), the body representing Ireland's general building, civil engineering, mechanical and electrical, and specialist contracting sectors as well as home builders, home renovators and industrial and commercial property development specialists.  Since becoming Director General of the CIF, Tom Parlon has helped to drive awareness of the important role that infrastructure investment can play in supporting Irish economic recovery, both in the short and longer term, and has identified emerging opportunities for the industry, particularly in the energy retrofitting and renewable energy sectors. He has also been at the heart of the campaign to improve competitiveness within the industry and to effect fundamental structural and organisational changes designed to ensure a sustainable, dynamic and innovative construction industry into the future, including through his promotion of the Construction Contracts Bill.  Tom Parlon was a Minister in the Department of Finance in the 2002-2007 Government, with special responsibility for the Office of Public Works (OPW), having been elected, at the first attempt, as a Progressive Democrat TD in the Laois Offaly Constituency. Previously, Tom Parlon held senior positions within the Irish Farmers Organisation (IFA), including President and National Secretary, and represented the Irish farming sector at European level.  From Coolderry in County Offaly, Tom Parlon is a regular contributor on the Irish economy across the print and broadcast media.
Standardisation package of the European Commission in the view of SMEs	Klaus Yongden Tillmann, Secretary General of NORMAPME	End of last year NORMAPME appointed Mr. Klaus Yongden Tillmann to the position of Secretary General of NORMAPME. Mr. Tillman is familiar with the needs of crafts and SME enterprises and has been active since 1989 in the German crafts association structures. He also has a strong international background. Since 2004 Mr. Tillmann has served as the Chief

		Executive of the Chamber of Crafts of Dortmund. As of January 1st 2011 Mr. Tillmann assumes the position of Secretary General of the NORMAPME and is committed to a long term engagement. NORMAPME is an international non-profit association created in 1996 with the support of the European Commission, representing over 12 million European Crafts and SMEs in standardisation. Membership is open to all SME organisations and other organisations that promote SME interests.
Case study – buildings with other types of roof	Seán Stagg, Eastern Area Manager Sisk	Sean has gained over 15 years experience since joining Sisk in 1996 as a Site Engineer. He was appointed to the eastern region management team of Sisk in 2011 with the position of Area Manager. Sean has successfully managed the completion of a range of complex new build, fit-out and refurbishment projects within leisure, residential and commercial sectors. He has detailed knowledge and experience of working on stadiums which he gained whilst working on the highly serviced Aviva and Croke Park Stadiums.  Sean has gained an excellent appreciation of the challenges involved when working on projects within live working environments namely on Spencer Dock, Croke Park and in the latter stages of Lansdowne Road Stadium. Sean has developed his career through dedication and drive to deliver high quality projects within safety, program and cost objectives. He has excellent leadership skills and has a reputation for building strong working relationships with Clients, Consultants and Construction Teams. Sean was awarded the Bronze medal in the CIOB Construction Manager of the year awards 2011 for his work on the Aviva Stadium.
Development of a new generation of roof waterproofing with special consideration of sustainability aspects; NU-ROOF Project	Hartmut Fischer TNO Delft	Hartmut Fischer, assistant at TNO in Delft, Netherlands and member of the project "NU-ROOF" had to help out on short notice for the diseased Dr. Gerhard Faßbender, head of laboratory, GEORG BÖRNER GmbH & Co. KG in Germany.
Safe maintenance of buildings in Holland	John Kouwenberg, HHD, NL	John Kouwenberg is a board member of the pitched roofing association "Het Hellende Dak" and chairman of the technical committee in The Netherlands. His education is HBO Engineering and he has an experience of about 20 years on and under the roof. At this moment John Kouwenberg manages a technical roof consultancy, which deals with building maintenance and —management. Also energy efficiency is one of the many components they are specialized in.  Besides roofing John Kouwenberg is also a member of several standard committees with regard to attachment /fixation of roofing, moisture resistance, solar energy and working safely at height. Within the HBA-project "Safe building maintenance and —management", John Kouwenberg represents "Het Hellende Dak" in various committees.
First experiences with RESOL-insulation for pitched roof	Martino Cevales, Business Development Manager / Business Line Insulation Monier Group Services GmbH, Germany	
Systems against wind- uplift as service for roofers A new partner-member of IFD	Franz Kolnerberger, Wienerberger AG	Franz Kolnerberger is Head of Product Group Management Roof of Wienerberger. Franz started in 1992 in the French Wienerberger clay roof tile division as an Export Manager, and has therefore a lot of experience in roofing, not only across Europe but also on other continents. He is also member of TBE within the work group clay roof tiles. Wienerberger is N° 1 in clay roof tiles in Europe and provides complete roofing systems. The aim of Wienerberger is a continuous development of new systems and solutions together with our professional partners, the roofers.
DIMOS - products made by roofers, for the roofers! A new partner-member of IFD	Sebastien Goubaud, President, DIMOS, France	Dimos is born from a family of roofers. Sebastien Goubaud represents the 3 <sup>nd</sup> generation roofer within Dimos. For over 30 years the company has supported roofing companies in their day to day work. Products in Dimos are developed with the help and expertise of roofers. Sebastien got several training in roofing. With a Master in Engineering, he joined the R&D Department of Dimos in 2000. Specialist in Innovation Management, he is a MBA graduate (Audencia 2008). He took over the General Management of Dimos since January 2010 and will keep up innovating for the roofers worldwide!

### IFD Gala evening with the awards of the IFD

On Friday evening a festive Gala evening took place with more than 160 participants in the large hall of the Shelbourne hotel in Dublin. This opportunity was used, to honor Peter G. Rogerson as a successful roofing contractor and long-time head of delegation of the association NFRC in the United Kingdom with the IFD pin of honor. The highlight of the evening, however, was honoring the Awards of the IFD for the first time. A competition for special and exceptional performance of member contractors between October 2009 and September 2011 in the categories pitched roof, flat roof, metal roof and facade had been written out at short-term by the IFD middle of the year. The first competition received a pleasantly good reception. The submitted objects showed outstanding achievements of the roofers. Some nominees had especially traveled to Dublin and were able to be welcomed at the Gala evening. Certainly more nominates can be animated in a longer advance phase to be present in the award ceremony.

59 projects out of 10 countries had been submitted. Individually, these are:

Pitched roof	18 objects	9 countries
Flat roof	14 objects	7 countries
Metal roof	14 objects	7 countries
Facade	13 objects	6 countries

Roofers out of following countries took part: A, EST, G, H, IRL, NL, PL, SK, UK, and USA.

At the introduction of the award ceremony, IFD President Piet Jacobs was highly delighted about the high participation. He thanked all that were involved in the competition. The evaluation had resulted through a group of independent specialists under the supervision of the IFD. Piet Jacob thanked Walter Buchegger, Austria, Robert Csott, Hungary, and Geoff Holt, United Kingdom, who had functioned besides to the presiding board members as a jury. The jury was able to assess that all submitted objects showed a very high quality level of the involved roofers and it was not easy to carry out the evaluation. Director Stauch moderated the presentation of those nominated. In every category, three and/or four nominated objects with especially good achievements were introduced by presentation of the objects, name of the firms and the manufacturer of the products. The winner of every category was announced and honored then for the first time.

For this the gentlemen of the presiding board and the jury opened envelopes, took the winners certificate and read the name of the winner. These were:

Facade Dakdekkers- en Leidekkersbedrijf Adriaans, The Netherlands

De Zonneboom, Biber tile facade

Metal Roof NORDECON AS, Estonia

AHHAA Scientific Centre

Flat Roof Spitzer GmbH Dachdeckerei-Spenglerei, Austria

Centre of generations Eggersdorf

Pitched Roof Gerhard Hohl GmbH, Austria

Collegiate church Klosterneuburg

All congratulated the winners, the objects were shown once again and the respective prize winners were given certificates and received a trophy. All nominees received certificates for their nomination.

In the future the IFD will recognise and reward outstanding standards of workmanship and safety among competent roofing companies every two years with the award of the IFD.

### **IFD-General assembly**

On Saturday the general assembly with reports of the commissions and decisions to finances took place. The decisions of the commissions were accepted.

Germany has applied to host the IFD-congress in 2015. This was pleasantly received. A decision will result at a later stage. The Romanian full member ANMAR that once again presented its possibility for 2014 were finally transmitted the alignment of the 62<sup>nd</sup> IFD-congress and the 25<sup>th</sup> world championship for young roofers 2014.

For the Swiss federation Gebäudehülle Schweiz, President Walter Bisig and Karin Gamma invited to the 60th congress 2012 and to the 24th world championship for young roofers to Lucerne. The 60th IFD congress will take place from the 14th to 17th of November 2012 in the hotel Astoria; the 24th IFD world championship will take place within the same week in the exhibition hall of Lucerne.

	Future hosts of the IFD-Congresses, the awards of the IFD and the IFD-World championship of Young Roofers		
2012	Lucerne, Switzerland	IFD-Congress and IFD-World	
		championship of Young Roofers	
2013	Rotterdam, Pays Bas	IFD-Congress and award of the IFD	
2014	Bucharest, Rumania	IFD-Congress and IFD-World	
		championship of Young Roofers	
2015	To be decided, Germany	IFD-Congress and awards of the IFD	
2016	To be decided, Poland	IFD-Congress and IFD-World	
		championship of Young Roofers	

The congress ended with a speech by Piet Jacobs, in which he reviews his first congress. He thanked especially Alan Ahern, his team as well as all colleagues and closed the successful IFD congresses 2011 in Dublin.

D. Stauch, 11.11.11

### The nominees 2011:

Category	Object	Company	Country
Pitched Roof	Bank - restoration	Ulland Dachtechnik GmbH	Germany
	Bell-shaped slate roof	Slate Affair, Inc., Liam Tower	USA
	Church roof with slate	Leidekkersbedrijf D. Koenders, Robbert Koenders	Netherlands
	Collegiate church Klosterneuburg	Gerhard Hohl GmbH, Gerhard Hohl	Austria
	Car dealership Toyota-Lexus	Berner Dach-Fassade GmbH, Alexander Berner	Austria
Flat Roof	Centre of generations	Spitzer GmbH Dachdeckerei-Spenglerei, Dr. Georg Spitzer	Austria
	Flat roof with inverted roof	Roofing Services, Jacek Karwowski	Poland
	Hospital in Curraheen	SIAC Construction Roofing and Cladding Ltd., Alan Ahern	Ireland
Matal Daref	AHHAA Scientific Centre – new building	NORDECON AS, Peeter Voovere	Estonia
Metal Roof	Climbing hall	Dachform Haid-Nothdurfter, Erwin Haid	Austria
	Historic house in Mielec	Blacharstwo Budlowane, Tadeusz Hul	Poland
	Biber tile facade	Dakdekkers- en Leidekkersbedrijf Adriaans, Jan Adriaans	Netherlands
Facade	Court house St. Pölten - restoration	Pasteiner GmbH, Dieter Kotrnec	Austria
	Dunbrody Heritage Centre	Bidcon Construction Ltd., Ed Cronnelly	Ireland
	Kingsmill hospital	SIAC Construction Roofing and Cladding Ltd., Alan Ahern	Ireland

### The winners 2011:

Pitched Roof	Gerhard Hohl GmbH, Austria
	Collegiate church Klosterneuburg
Flat Roof	Spitzer GmbH Dachdeckerei-Spenglerei, Austria
	Centre of generations Eggersdorf
Metal Roof	NORDECON AS, Estonia
	AHHAA Scientific Centre
Facade	Dakdekkers- en Leidekkersbedrijf Adriaans, The Netherlands
	De Zonneboom, Biber tile facade

#### Members of IFD (Status November 2011)

#### Full members (national professional organisations of the roofing trade)

- 1. Austria, Bundesinnung der Dachdecker (Roofers)
- 2. Belgium, cct-cbd (Confederation Construction Toitures-Confederatie Bouw Dak)
- 3. Croatia, Hrvatska udruga krovopokrivača- HUK- (Roofers)
- 4. Czech, Cech Klempiru, Pokryvacu a Tesaru (Roofers, Carpenters, Timber smiths)
- 5. Estonia, Roof- and Facades Federation of Estonia
- 6. France, LES COMPAGNONS DU DEVOIR
- 7. Germany, ZVDH (Roofers)
- 8. Hungary, EMSZ (Roofers for pitched roofing and waterproofing)
- 9. Ireland, Roofing and Cladding Contractors Association (RCCA)
- 10. Latvia, Dachdeckerverband des Lettlandes (DDVL)
- 11. Luxembourg, Letzeburger Dachdeckermeschter Verband (Roofers)
- 12. Netherlands, Het Hellende Dak
- 13. Poland, Polskie Stowarzyszenie Dekarzy PSD (Roofers)
- 14. Romania, ANMAR
- 15. Russia, National Roofing Trade Union NRU
- 16. Slovakia, Cech Strecharov Slovenska- CSS (Roofers)
- 17. Slovenia, Obrtna Zbornica Slovenije- SKK (Roofers)
- 18. Switzerland, Gebäudehülle Schweiz Swiss Federation of Building Envelop Contractors
- 19. United Kingdom, NFRC (Roofers)

### Guest members (national professional organisations of the roofing trade, decision in the 3<sup>rd</sup> year to full membership)

# $\underline{\textbf{Partner members}} \text{ (national and international associations of manufacturers, from industry and commerce involved in the roofing trade)}$

- 1. BAUSYSTEME VERTRIEBSGESELLSCHAFT mbH bvg, Austria
- 2. b/s/t GmbH Koch Kunststofftechnologie, Germany
- 3. BÜSSCHER & HOFFMANN, Dach- u. Abdichtungsbahnen GmbH, Austria
- CREATON AG, Germany
- 5. DIMOS, France
- 6. DÖRKEN GmbH & Co. KG, Germany
- 7. FAKRO Sp.z.o.o. Poland
- 8. HILTI AG, Liechtenstein
- 9. H.P. PLUM & Co (PTY) Ltd. EN KNIE (EDMS), South Africa
- 10. INTERFALZ GmbH & Co. KG; Germany
- 11. KEMPER SYSTEM GMBH & CO:KG, Germany
- 12. KYTUN, Ireland
- 13. LAMILUX Heinrich Strunz GmbH, Germany
- 14. LINDAB- ASTRON SA, Luxemburg
- 15. MONIER Roofing Technical Centers Ltd., UK
- 16. P. F. FREUND, Germany
- 17. PITTSBURGH CORNING EUROPE S.A. / N.V., Belgium
- 18. PREFA Aluminiumprodukte Ges.m.b.H., Austria
- 19. PRUSZYŃSKI Spólka z o.o, Poland
- 20. RHEINZINK GMBH & CO.KG, Germany
- 21. ROTO Dach- und Solartechnologie GMBH, Germany
- 22. SAINT-GOBAIN ISOVER G+H AG, Germany
- 23. TONDACH GLEINSTÄTTEN AG, Austria
- 24. TRIFLEX Beschichtungssysteme GmbH & Co. Kommanditgesellschaft, Germany
- 25. VELUX A/S. Denmark
- 26. Wienerberger AG, Austria

#### with the brands:

- > Jungmeier, Germany
- Koramic, Austria
- Bogener Dachziegel, Germany
- > Sandtoft, UK
- > ZZ Wancor, Switzerland
- 27. ZEDACH eG, Germany

# **Co-operating members** (national or regional professional organisations in the roofing trade, which are neither full nor guest members and national and international associations of manufacturers and industries involved in the roofing trade)

- DAFA, Poland
- 2. ESWA (European Single Ply Waterproofing Association), Belgium
- 3. National Roofing Contractors Association- NRCA, Rosemont /USA
- 4. Slate Roofing Contractors Association of North America, Inc. (SRCA), Grove City/USA

# <u>Scientific members</u> (universities, faculties, institutions, professorships and research positions as well as individuals who have an earnest interest in the scientific research within the faculties, which incorporate roofing construction with the according technology)

- 1. Forschungsinstitut für Wärmeschutz e.V. FIW München, Germany
- 2. Institut of Roofing IoR, UK
- 3. TECHNICKA UNIVERZITA V KOŠICIACH, Stavebná fakulta, Košice, Slovakia

### IFD represents with its full members, partner members, co-operating partners and guest members:

- 24 countries
- 15.500 Roofing companies
- 135.000 Rooming companies
   135.000 Employed persons in roofing companies
- 11 Billons EUR turnover in the roofing companies