
VACUUM INSULATION PANEL



GLOBAL ASSOCIATION

VIPA International

Executive Committee Conf Call

Monday, 29 April 2019, 10:00 to 11:00 CET

Governance statement

VIPA International antitrust compliance statement (distributed with meeting docs)

Procedure

- At all times refrain from discussing any company' sensitive information – see VIPA International antitrust compliance statement

You must:

- Judge in the first place
- Behave accordingly
- Avoid discussion of topics, such as those identified in the guidelines, which could create even an appearance of wrongdoing

In case still some issue are raised:

- Secretariat intervene if any questions or doubts
- If necessary, legal counsel can be asked to provide advice

Agenda

1. Welcome

- 1.1 Governance rules
- 1.2 Approval of the agenda
- 1.3 Approval minutes previous call (23 January) and review of actions

2. Matters arising

- 2.1 2019 income and expenses
- 2.2 Hanita Avery Dennison Technical Study
- 2.3 Membership outreach
- 2.4 Standardisation: next steps of ISO group
- 2.5 Communications
- 2.6 Statistics

3. AoB

2. Matters arising

VIPA International Budget 2019 (EUR)	
ITEM	
Income	
Membership fees full members (12): 10,000 EUR	120.000
Membership fees associate members (1): 5,000 EUR	5.000
Membership fees academia (5): 500 EUR	2.500
Membership fees association members (0): 500 EUR	-
TOTAL INCOME	127.500
Expenditure	
Kellen fees	78.395
GSH agreement annual fee	18.516
Communications (website support, design, video, etc)	12.000
IVIS 2019 Sponsorship	5.000
Avery Dennison Hanita Study (15% of total amount 12,500€)	1.875
Out of pocket costs (meetings/conf calls & travel expenses)	8.000
Website annual hosting fee (Alias)	400
Bank fees	200
Participation at CEN	525
Legal advice	2.464
TOTAL EXPENDITURE	127.375
RESULT	125
Reserve (funds not used in previous years)	17.302
Expected end result	17.427

Income received:

- Panasonic
- Brunel Uni
- Brno Uni

Expenditure:

- IVIS sponsorship reduced from 7,000€ to 5,000€
- Expect reduction in out of pocket expenses as IVIS will make available free meeting rooms in Japan

2. Matters arising:

2.2 Hanita Avery Dennison Technical Study (12 months, 12,500€ (1,875€ to be paid in 2019))

Samples to be tested:

Fumed silica

1. Grain size (big)

- <0.85mm: less than 29.0%, 0.85- 2.8mm: more than 70%, 2.8mm<: less than 1.0%
- Hygroscopicity as a component (not raw material) under 25degC 90%RH: 0.2 ~ 0.5wt%/h

2. Grain size (middle)

- <1.00mm: more than 95%
- Hygroscopicity as a component (not raw material) under 25degC 90%RH: 0.5 ~ 1.0wt%/h

3. Grain size (small)

- <0.71mm: more than 95%
- Hygroscopicity as a component (not raw material) under 25degC 90%RH: 0.2 ~ 0.5wt%/h

2. Matters arising:

2.2 Hanita Avery Dennison Technical Study

1 sample of **hydrophobic silica**: there is no surface area (BET) information on the product datasheet, but the following:

- Thermal conductivity: 0,019 W/m.K
- Water absorption $\leq 0,1$ kg/m²
- Moisture absorption $\leq 1,0$ M%

2 types of zeolite (type 4A and type 13X): both are synthetic aluminosilicates of sizes about 2 nm in diameter

Pore sizes:

- type 1: 1 nm
- type 2: < 1nm

2. Matters arising:

2.2 Hanita Avery Dennison Technical Study

2 types of activated CaO = CaO+ metal oxides/hydroxides

CaO granulate

- pure CaO

Activated CaO:

- 90% CaO
- < 10% MgO, SrO, Al₂O₃, SiO₂

Next steps:

- Avery Dennison Hanita is preparing the contract for review
- Legal advice to check limits of competition law?

2. Matters arising:

Other technical matters:

- One company came across misleading promotional information about VIPs in buildings like r-value claims which do not consider the edge effect
- Technical WG is working on a technical bulletin to be added to the website

2. Matters arising:

2.3 Membership Outreach

Companies contacted and feedback received:

- **Chongqing Zaisheng Technology** - under internal consideration. Tom Heckard is in contact with them as well
- **Kevothermal** – Mark Connell responded in March that he is looking into it. Gary Chalkley was asked to support
- **Kuraray** – Naobi answered that he has not been able to convince management so membership will not happen. He mentioned all meetings were in Europe which makes it difficult for Kuraray to attend
- **Hutchinson** – replied in April that it is not interested in joining
- **Siltherm** – no response. Asked Tadej to contact them as well
- **The Vac Company** - no response
- **TA Instruments** - no response
- **Aerosafe Global (previous American Aerogel)**: no response
- **Isoleika**: no response

2. Matters arising:

2.3 Membership Outreach

Companies contacted and feedback received:

- **Changzhou Sanyou Dior Insulation Materials:** no response
- **Fujian Super Tech Advanced Material:** no response
- **Aerosafe Global (previous American Aerogel):** no response
- **Cabot:** no response

2. Matters arising:

2.4 Standardisation

Next steps ISO VIP group:

- Prof Phalguni seems interested in being the convener of a new group
- Technical WG encourages VIPA International to take an active role in the next ISO group but points out the considerable resources that this would require

2. Matters arising:

2.5 Communications

Second video on Appliances

- Expected to be published in May/June
- Contact with Painting Pixels (cost 1800 £ excluding VAT)
- Translations to a number of languages ongoing

Website

- SEO of 'Homepage', 'About VIP' and 'Become a member' sections ongoing by Alias; other sections will follow (cost 700 €)
- Google Ads campaign will follow when SEO is finalised
- Link to LinkedIn page and Youtube channel added on website

Build Up Webinar

- Possibility to organise Build Up webinar on Annex 65 study in September/October
- To be carried out?

2. Matters arising:

2.5 Communications

Kingspan case study

- To be published end April / beginning of May
- With this, 2 foreseen case studies for 2019 completed

LinkedIn

- Company page set up in March and running (23 followers)
- 2 posts per month approximately; one-way communication
- Social media policy developed and approved

2. Matters arising:

2.6 Statistics

- APPLiA contacted about data on appliances
- Questionnaire to be sent to building related organisations (architects, building professionals):
 - Are you familiar with VIP technology?
 - Have you used it in your projects?
 - If so, did you come across any issue while using it?
 - Do you see a lot of potential for VIPs in buildings

3. AoB

Any other business?

Programme VIPA International meetings in Japan:

Wednesday, 18 September:

- 09:00 to 15:00: Board meeting
- 16:00 to 18:00: General Assembly
- 20:00: welcome reception of IVIS (to be confirmed) or dinner with members

Thursday-Friday, 19-20 Sept: IVIS 2019

VACUUM INSULATION PANEL



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