

# Social Dialogue Agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it

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**Dr. Paul Páez-Maletz, Quarzwerke GmbH**



**Quarzwerke**







# The European Network for Silica NePSi

**Aggregates, Cement, Ceramics, Foundry,  
Glass fibre, Special Glass, Container Glass & Flat Glass,  
Industrial Minerals, Mineral Wool, Mines, Mortar,  
Natural Stones and Pre-cast Concrete**

**i.e. more than 2 million Employees  
and a business exceeding €250 billion**

# The Objectives

## The Agreement aims at

- protecting the health of Employees
- minimizing exposure to RCS by applying the Good Practices and
- increasing knowledge about potential health effects of RCS and about Good Practices

This initiative benefits from a grant of the EC



# The Scope

**Covers entire production and use of crystalline silica and materials/products/raw materials containing crystalline silica**

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# The Principles

- **Compliance with national and EU law**, including national OELs
- **Application of the Agreement & Good Practices:**  
Initial risk assessment to identify RCS exposures and application of general prevention principles
- **Continued use of crystalline silica**
- **Ancillary obligations**
  - Training
  - Dust monitoring
  - Health Surveillance
  - Cooperation to increase knowledge (R&D)
- **Reduction of failures** (continuous improvement)
- **Monitoring Application** at site level through indicators
- **Biennial Reporting** through the Signatory sectors **to a bipartite Council**
- **Summary Report published by the Council**

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# The Structure

**Annex 1: Good Practices (Good Practice Guide)**

**Annex 2: Dust Monitoring Protocol**

**Annex 3: Reporting Format**

**Annex 4: List of Research Projects**

**Annex 5: Descriptions of Industries**

**Annex 6: The Council – Secretariat**

**Annex 7: Procedure for the Adaptation of the Good Practices**

**Annex 8: Health Surveillance Protocol for Silicosis**

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# Biennial reporting site, company, country and sector level

<b>General information</b>	including <b>number of Employees:</b>
<b>Exposure risk</b>	potentially exposed to RCS
<b>Risk assessment &amp; dust monitoring</b>	<ul style="list-style-type: none"> <li>- covered by risk assessment</li> <li>- covered by exposure monitoring</li> <li>- with risk assessment requiring HSP for silicosis</li> </ul>
<b>Health surveillance</b>	<ul style="list-style-type: none"> <li>- covered by generic HSP</li> <li>- covered by HSP for silicosis</li> </ul>
<b>Training</b>	<ul style="list-style-type: none"> <li>- covered by training on General Principles</li> <li>- covered by training on Task sheets</li> </ul>
<b>Good Practices</b>	Technical measures to reduce RCS (YES/NO) Organizational measures (YES/NO) Use of PPE where necessary (YES/NO)
<b>Key performance indicators</b>	<b>All the information above compared to the number of employees potentially exposed to RCS, in %.</b>
<b>Key notes</b>	Free text



Agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing It Reporting Format Site Level

Date of latest update	2006-2007	2008-2009	2010-2011	2012-2013
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General Site Information

1	Company				
<i>Name of the company</i>					
2	Country				
<i>Name of the Site</i>					
3	Sector				
4	Site				
<i>Select "Y" if data for this section only are available. "N" if data for the following sections are available</i>					
5	Reporting Site				
6	Number of Employees				
<i>Total number of Employees on site</i>					

Exposure Risk

7	Number of Employees potentially exposed to Respirable crystalline silica				
<i>Insert the number of Employees potentially exposed to Respirable crystalline silica, e.g. all the Employees working in the production departments</i>					

Risk Assessment & Dust Monitoring

8	Number of Employees covered by risk assessment <sup>(1)</sup>				
<i>Insert the number of Employees/job for whom the risk assessment procedure has been completed</i>					
9	Number of Employees covered by exposure monitoring <sup>(2)</sup>				
<i>Insert the number of Employees/job for whom exposure data are available</i>					
10	Number of Employees with risk assessment requiring Health Surveillance Protocol for Silicosis <sup>(3)</sup>				
<i>Insert the number of Employees/job for whom risk assessment procedure suggest the need for starting Health Surveillance Protocol</i>					

Health Surveillance

11	Number of Employees covered by generic health surveillance protocol				
<i>Insert the number of Employees followed up with a generic health surveillance protocol; target value is depending on Company commitments or national laws</i>					
12	Number of Employees covered by Health Surveillance Protocol for Silicosis				
<i>Insert the number of Employees followed up with the specific Health Surveillance Protocol for Silicosis, part of the Agreement</i>					

Training

13	Number of Employees covered by information, instruction and training on General Principles <sup>(4)</sup>				
<i>Insert the number of Employees who are included in the General Principles program</i>					
14	Number of Employees covered by information, instruction and training on Task Sheets <sup>(5)</sup>				
<i>Insert the number of Employees who are included in the required Task Sheets program</i>					

Good Practices

15	Technical measures to reduce generation/dispersion of Respirable crystalline silica				
<i>Select "Y" if the specific Practice is implemented on Site, "N" if not implemented or not applicable</i>					
16	Organizational measures				
<i>Select "Y" if the specific Practice is implemented on Site, "N" if not implemented or not applicable</i>					
17	Distribution and use of Personal Protective Equipment, where necessary <sup>(6)</sup>				
<i>Select "Y" if the specific Practice is implemented on Site, "N" if not implemented or not applicable</i>					

Key Performance Indicators

18	% of Employees potentially exposed to Respirable crystalline silica				
<i>Line 7 divided by line 6, it gives the % of total Employees working in contact with materials potentially generating Respirable crystalline silica</i>					
19	% covered by risk assessment				
<i>Line 8 divided by line 7, it gives the % of implementation of the risk assessment procedure</i>					
20	% covered by exposure monitoring				
<i>Line 9 divided by line 7, it gives the % of implementation of the dust monitoring protocol</i>					
21	% with risk assessment requiring Health Surveillance Protocol for Silicosis				
<i>Line 10 divided by line 7, it gives the % of Employees with potentially high exposure</i>					
22	% covered by generic health surveillance				
<i>Line 11 divided by line 7, it gives in %, the commitment of the Company towards generic health monitoring or compliance with national laws</i>					
23	% covered by Health Surveillance Protocol for Silicosis				
<i>Line 12 divided by line 7, it gives the % of implementation of the specific Health Surveillance Protocol for Silicosis</i>					
24	% covered by information, instruction and training on General Principles				
<i>Line 13 divided by line 7, it gives the % of implementation of General Principles spreading</i>					
25	% covered by information, instruction and training on Task Sheets				
<i>Line 14 divided by line 7, it gives the % of implementation of required Task Sheets</i>					

Key Notes

Insert any relevant comment on the implementation of the Agreement at Site level ( e.g. highlight positive or non satisfactory achievements, announce future improvement programs, describe new good practices adopted ..... )

Name: \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Signature

(1) The Risk Assessment procedure can be found in the Annex 1 - Good Practices to the Agreement ( Good Practice Guide, Part I, Chapter 4)  
 (2) Refer to the Annex 2 - Dust Monitoring Protocol to the Agreement  
 (3) Refer to the Annex 8 - Health Surveillance Protocol for Silicosis to the Agreement  
 (4) General prevention principles are illustrated in Annex 1 - Good Practices to the Agreement (Good Practice Guide, Part I, Respirable Crystalline silica essentials)  
 (5) Good Practices are illustrated in Annex 1 - Good Practices to the Agreement (Good Practice Guide, Part II, General and Specific Task Sheets)  
 (6) A task sheet on PPE can be found in Annex 1 - Good Practices to the Agreement (Good Practice Guide, Part II, Task sheet 2.1.15)

# Biennial reporting

Agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing It Reporting Format Company Level

Date of latest update	2006-2007	2008-2009	2010-2011	2012-2013
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General Company (Country) Information

Company				
<i>Name of the Company</i>				
Country				
<i>Name of the Site</i>				
Sector				
Number of Sites				
<i>Count of line 4 - Site Level</i>				
Number of Reported Sites				
<i>Sum of line 5 - Site Level</i>				
% of Reported Sites				
<i>Line 4b divided by line 4a, it gives the % of implementation of the Reporting in term of number of Sites</i>				
Number of Employees				
<i>Sum of line 6 - Site Level</i>				
Number of Reported Employees				
<i>Sum of line 6 where line 5 is "Y" - Site Level</i>				
% of Reported Employees				
<i>Line 5b divided by line 5a, it gives the % of implementation of the Reporting in term of number of Employees</i>				

Exposure Risk

Number of Employees potentially exposed to Respirable crystalline silica				
<i>Sum of line 7 - Site Level</i>				

Risk Assessment & Dust Monitoring

Number of Employees covered by risk assessment <sup>(1)</sup>				
<i>Sum of line 8 - Site Level</i>				
Number of Employees covered by exposure monitoring <sup>(2)</sup>				
<i>Sum of line 9 - Site Level</i>				
Number of Employees with risk assessment requiring Health Surveillance Protocol for Silicosis <sup>(3)</sup>				
<i>Sum of line 10 - Site Level</i>				

Health Surveillance

Number of Employees covered by generic health surveillance protocol				
<i>Sum of line 11 - Site Level</i>				
Number of Employees covered by Health Surveillance Protocol for Silicosis				
<i>Sum of line 12 - Site Level</i>				

Training

Number of Employees covered by information, instruction and training on General Principles <sup>(4)</sup>				
<i>Sum of line 13 - Site Level</i>				
Number of Employees covered by information, instruction and training on Task Sheets <sup>(5)</sup>				
<i>Sum of line 14 - Site Level</i>				

Good Practices

Technical measures to reduce generation/dispersion of Respirable crystalline silica				
<i>Sum of line 15 - Site Level</i>				
Organizational measures				
<i>Sum of line 16 - Site Level</i>				
Distribution and use of Personal Protective Equipment, where necessary <sup>(6)</sup>				
<i>Sum of line 17 - Site Level</i>				

Key Performance Indicators

% of Employees potentially exposed to Respirable crystalline silica				
<i>Line 7 divided by line 5a, it gives the % of total Employees working in contact with materials potentially generating Respirable crystalline silica</i>				
% covered by risk assessment				
<i>Line 8 divided by line 7, it gives the % of implementation of the risk assessment procedure</i>				
% covered by exposure monitoring				
<i>Line 9 divided by line 7, it gives the % of implementation of the dust monitoring protocol</i>				
% with risk assessment requiring Health Surveillance Protocol for Silicosis				
<i>Line 10 divided by line 7, it gives the % of Employees with potentially high exposure</i>				
% covered by generic health surveillance				
<i>Line 11 divided by line 7, it gives in %, the commitment of the Company towards generic health monitoring or compliance with national laws</i>				
% covered by Health Surveillance Protocol for Silicosis				
<i>Line 12 divided by line 10, it gives the % of implementation of the specific Health Surveillance Protocol for Silicosis</i>				
% covered by information, instruction and training on General Principles				
<i>Line 13 divided by line 7, it gives the % of implementation of General Principles spreading</i>				
% covered by information, instruction and training on Task Sheets				
<i>Line 14 divided by line 7, it gives the % of implementation of required Task Sheets</i>				
% of Technical measures to reduce generation/dispersion of Respirable crystalline silica				
<i>Line 15 divided by line 4b, it gives the % of Sites where the specific measure is adopted</i>				
% of Organizational measures				
<i>Line 16 divided by line 4b, it gives the % of Sites where the specific measure is adopted</i>				
% of Distribution and use of Personal Protective Equipment, where necessary				
<i>Line 17 divided by line 4b, it gives the % of Sites where the specific measure is adopted</i>				

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## Biennial reporting

- 1) Individual company reports will be sent to the national sector association.
- 2) National sector association communicates a consolidated sector report to the Council
- 3) Council issues a summary report to be forwarded to the signatories of the SDA and their members, the EC and national authorities
- 4) Executive summary for public is released if desirable



# The Good Practice Guide (GPG) for Dust Prevention in the Workplace Respirable Crystalline Silica

Two parts:

- 1) Respirable Crystalline Silica Essentials
- 2) Task Guidance Sheets describing good practice techniques for various common tasks

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# Implementation of the Agreement

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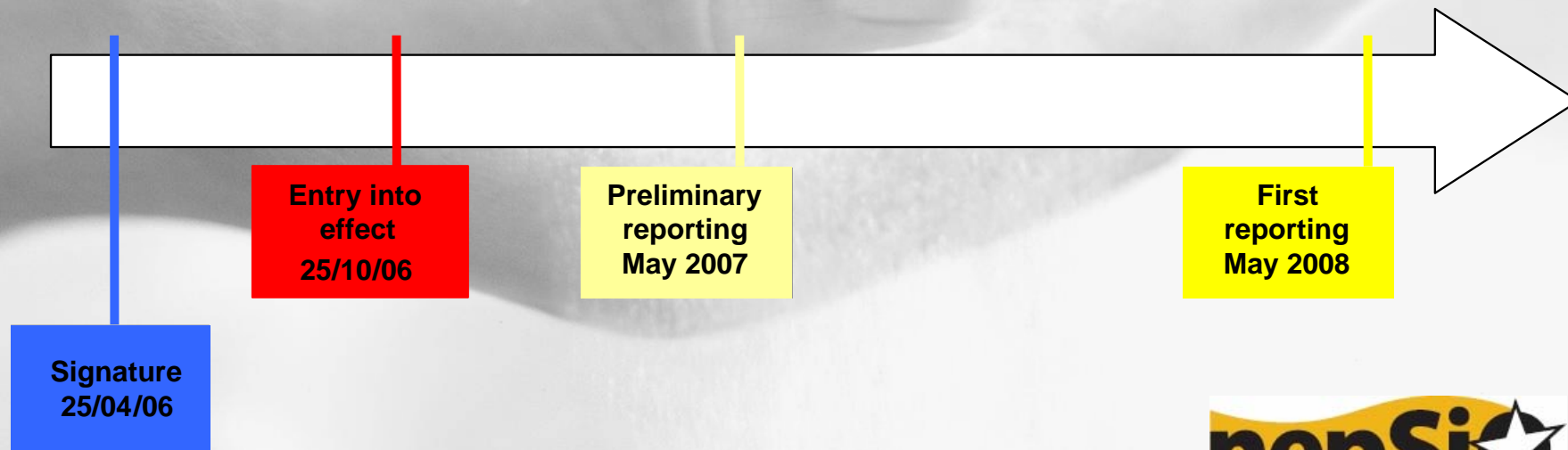


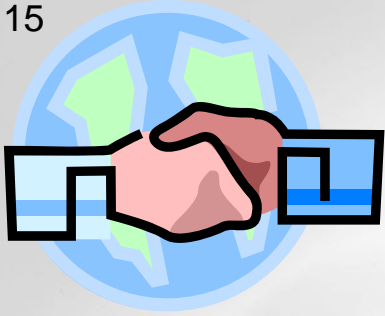
# Time line

The Agreement will enter into effect 6 months after its implementation, provided it has been translated into the 20 official EU languages.

In 2007, a preliminary reporting on the status of implementation will be organized.

➤ Official reporting for the first time in 2008, and every 2 years from then on.





# Social Dialogue Agreement

(Article 139 (1) & (2) EC Treaty)

## Autonomous SDA:

Social Partners are responsible for the implementation



# The NePSi Council

Each signatory European industry sector association and trade union federation will be represented within a bi-partite Council, which will meet at least every reporting year.

This Council will be in charge of:

- follow-up of the implementation of the agreement
- interpretation and application issues
- adaptation of the Good Practices
- communication with third parties
- review of the sectors' biennial consolidated reports
- drafting of summary reports and executive summaries every two years.

The Council will take decisions by consensus or at a double majority of 75%.

IMA representatives: *Michelle Wyart-Remy (IMA)*  
*Laurence Boens (Sibelco)*

Secretariat: *IMA-Europe*





# Action plan for concerned parties

- **Raise awareness about the SDA and GPG**
- **Distribution of translated documentation on sites**
- **Identify individual needs**
- **Creation of tools**
- **Promotion within other sectors**



# Action plan for companies

- **Nominate responsible person at company and site levels**
- **Organize necessary training**
- **Identify RCS exposure (risk assessment/dust monitoring)**
- **Organize reporting**



***Thank you for your attention***

**For more details please contact  
NePSi Secretariat  
c/o IMA-Europe, Brussels**

**Tel: +322 524 55 00**

**Fax: +322 525 45 75**

**e-mail: [secretariat@ima-eu.org](mailto:secretariat@ima-eu.org)**

