



The Lafarge Health & Safety Roadmapin a multinational Environment

4th Atlantic Alliance Conference

Ludwig Berger, Director Health, Safety and Environment -Lafarge Roofing

Page 1



No.1 in Roofing Worldwide

- Sales: 1.6 billion EUR in 2006
- 12000 employees in 2006
- Worldwide network of 200 production sites in 41 countries, activities in 46 countries
- Shareholders: PAI partners holds 65 %, Lafarge a 35 % stake





Roofing Products

Roof

Systems

Roof tiles



Concrete, Clay & Metal tiles Fittings



Components

Underlays/Insulation

Roof outlets/ Snow & Safety

Ridge & Hip/ Abutments, Eaves

Gutters, Valleys, Skylights, Solar, Fixings Low Pitch CoolRoof System Guarantees Roof packages

Chimney systems



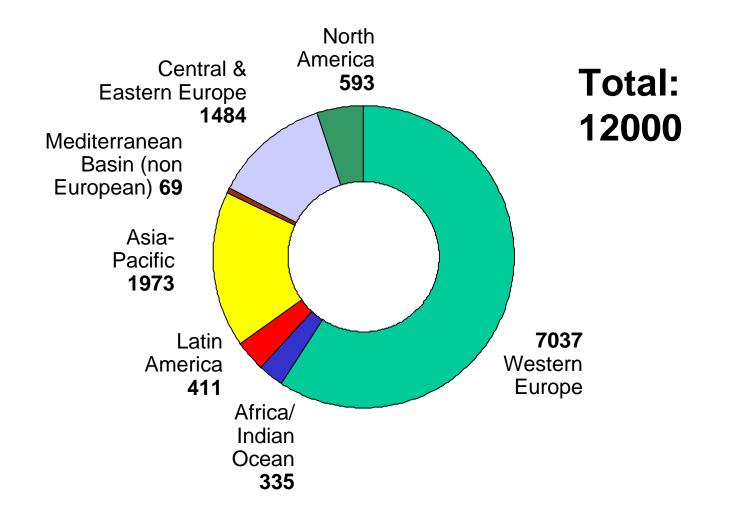
Ceramic & Steel chimneys

Ventilation systems

Fireplaces



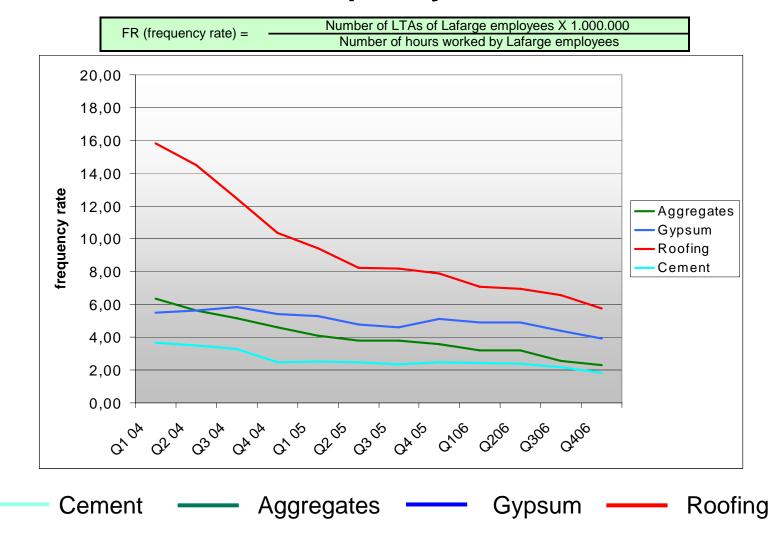
Employees



Page 4

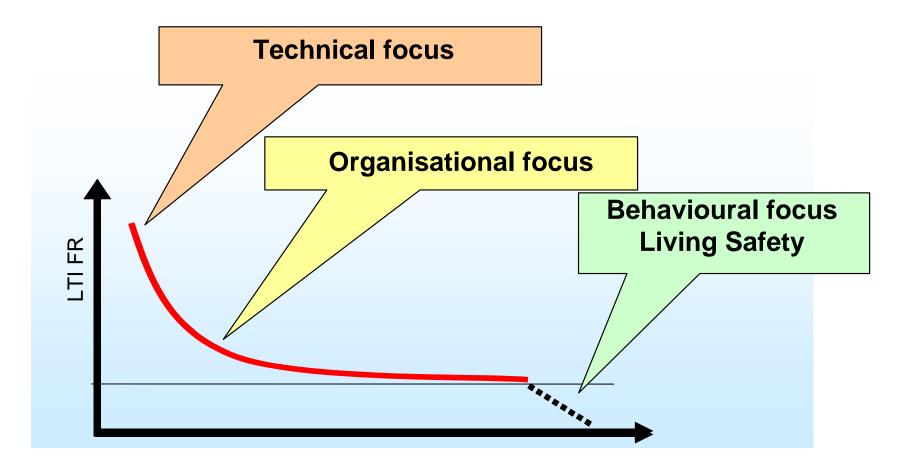


Trends of all Lafarge Divisions Frequency rate





Challenge: A breakthrough of Health & Safety to the next level





Key findings: Roofing Safety assessment

- Substantial Safety improvement since last two years
- The safety "problem" is not perceived as critical
- Procedures and standards are inadequate and not strictly followed
 - Lock out, tag out, try out (LOTOTO)
 - Permit to work
 - Plant and road traffic
- Current Safety organisational capabilities are insufficient to reach goals (human resources)
 - Quality and quantity
- Little Safety culture (Leadership and people involvement)
- Safety communication throughout the Division has to improve

Page 7



HEALTH & SAFETY POLICY

Lafarge is committed to providing a safe and healthy work environment for its stakeholders and to conducting its various businesses in a safe manner. Health & Safety are core values that must be incorporated into all aspects of our business.

We integrate health and safety objectives into our management systems at all levels of the Group. Management is accountable for the prevention of injuries and occupational illnesses.

Everyone working for Lafarge expects a safe and healthy work environment, and in turn, we expect everyone to contribute to that safe environment though responsible behavior.

Everyone is also expected to demonstrate that Health & Safety are core values through visible commitment and active engagement of each other.

When it comes to safety, I believe the only acceptable number is zero - zero accidents, incidents or occupational illnesses. Reaching this goal is critical for us to reach excellence.

LAFARGE

HEALTH & SAFETY RULES

3

4

5

6

8

9

10



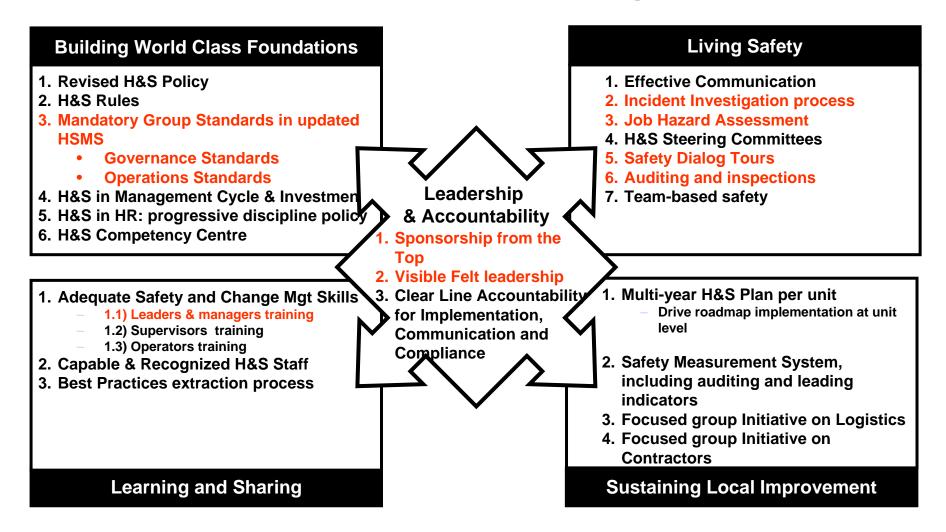
Page 8

lealth &

afety



The H&S Roadmap building blocks





GROUP HAS OPERATIONAL STANDARD WORKING AT HEIGHT (WAH)

EFFECTIVE DATE: Desember 11, 2008 REVISION NUMBER: 0 – Original

08 ISSUED BY: Group H8 Competency Centre APPROVED BY: H8AB and Group Executive Committee

1.0 Purpose & Scope

1.1 The Heath & Saisty Operational Standard – Working at Height (Standard) establishes a common and systematic approach to eliminate, avoid and prevent the risk of incidents arising from working at height. The Standard apples whenever there is a potential for any individual to fail 1.8 meters or more. Where an injury could result in a fail from work at less than 1.8 meters, the risk should be assessed and saitable controls determined and deplayed.

1.2 The Standard is mandatory and apples to all Lafarge businesses and joint ventures when Lafarge is either the majority strat-holder or the managing partner. The Standard applies to all employees, contractors, transporters, vendors and visitors.

1.3 Latarge businesses shall respect all local laws and regulations conserving working at height that are more stringent than the regularments specified in the Standard.

2.0 Responsibilities

2.1 Group HS Competency Centre is responsible for:

- Developing and periodically reviewing the Standard;
- Developing resources and training materials to support the Standard;
 Providing Group level interpretations regarding the Standard.

2.2 Regional / Business Unit (BU) Level Management is responsible for:

- Implementing and complying with the Standard;
- Overseeing tall hazard risk assessments and corrective action plans;
 Auditing and contiming compliance with the Standard.
- 2.3 Sile Level Management is responsible for:
 - Performing site-specific fall hazard risk assessments;
 - Developing and implementing consistive action plans;
 - Implementing the working at height permit procedure and training program;

 Defining and implementing sale work practices;
Providing the proper equipment;

- Executing and confirming compliance with the Standard.

2.4 Sile Level Individuals are responsible for:

 Performing tasks according to the fall hazard risk assessment form and working at height permit procedure;
Ensuring their own safety and observing the safety of their co-workers and contractors.

3.0 Definitions

Fall Restraint Equipment – means a full body harness connected to a restraint line and attached to a fail restraint static fine or ancher point which prevents an individual from getting into a situation where he could fail over the unprotected edge.

Fall Arrest Equipment – means a full body harness and a shock absorbing lanyard connected to an archer point or static line that will limit and arrest a fail to less than 1.8 meters.

4.0 Requirements

1/5

4.1 <u>Hierarchy of Controls (HOC)</u> – The risk of rat shall be eliminated or induced utilizing the Hierarchy of Controls in the following order of preference and effectiveness:

 Elimination – eliminating the need to work at height (e.g. bring the work to ground level);
Isolation – using physical barriers to enclose an area (e.g. fixed platform and rails);

- Engineering using temporary platforms to gain access to work area (e.g. mobile elevated work platform, scattoking);
 Administrative & PPE – using risk
- assessments, sale work practices, permits, training and personal fail-restraint and failarrest systems.

LAFARGE

Mandatory Group Standards

- Working at Height
- Reporting and investigation
- Personal Protective Equipment
- Lockout Tagout Tryout (LOTOTO)
- Project :Health & Safety Organisation Capabilities



Leader and Manager training Living Safety 1/2

- Training for executive committee members and senior managers of the 26 Business units
- Training preferable in plants environment
- 1,5-2 days: Presentation, case studies and plan visits
- **1.** Incident Investigation process
 - Root cause analysis with case studies
 - Serious event reports, to learn from accidents
- 2. Job Hazard Assessment
 - Risk assessment training with case studies
 - Hierarchy of control



Leader and Manager training Living Safety 2/2

3. Auditing and inspections

- Plant tour on Safety inspections with practical exercises
 - Plant traffic (Road and Plant)
 - Machine guarding
 - Lock out, tag out, try out (LOTOTO)

4. Safety Dialog

- Sponsor from the top
- Safety dialog concept for shop floor level
- Plant tour on safety dialog with with practical exercises











