

# Recycling of PVC Building products in Europe

Norbert Bruns

Plastics Recyclers Europe



# Agenda



1. What is PRE (Plastics Recyclers Europe)
2. What is PVC (Polyvinylchloride)
3. PVC Applications
4. Voluntary commitment for PVC products
5. PVC Recycling
6. PVC Window Recycling
7. Conclusion



# PRE

## (Plastics Recyclers Europe)



PRE represent National Associations and Individual Member Companies covering 80% of European Plastic Recycling Industry

### Facts and figures

- 1.000 Companies
- 30.000 Employees
- 3 million tons of installed capacity

> 115 members



# PRE

(Plastics Recyclers Europe)



200.000 tons of plastics in the year 2000



# PRE

(Plastics Recyclers Europe)



**2013**

**2000**

2,5 million tons in 2013



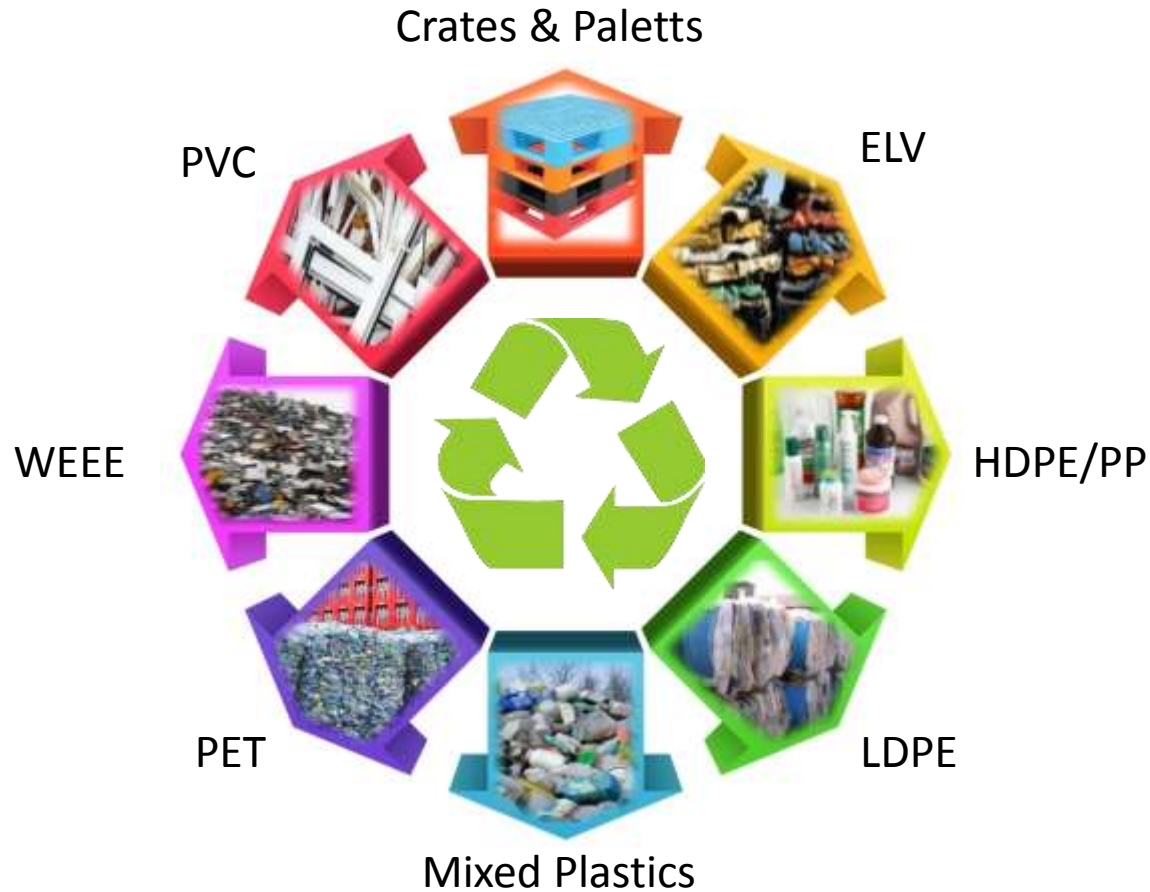
# PRE

## (Plastics Recyclers Europe)

5 working groups



# Plastics Recyclers Europe Working Groups



# PVC

Polyvinyl chloride – white powder





# PVC Applications



# PVC Recycling



Mechanical recycling  
window-profiles from buildings  
PVC pipes  
roof-membranes  
dismantling of cables



# PVC Window Recycling



PVC the most used material for windows in Europe  
Since 1970 more than **350 million windows** were installed  
Life time is approx. 40 years and more PVC has good properties like  
isolation no painting necessary, no maintenance noise protection  
good price-performance ratio etc.  
Since 1993 the windows were recycled

Main recycling markets are

- Germany
- United Kingdom
- France



# Voluntary commitment for PVC products



Voluntary commitment of the PVC industry

Vinyl 2010 and Vinyl plus

PVC windows are the biggest part of it

VEKA started to increase their activities into Europe





# VEKA Recycling Division





# **VEKA**

## **Recycling Division**

**in Germany, France and UK**



**Fullautomatic Recycling of complete PVC windows**

**70.000 tons Capacity**

**190 Employees**

**> 35 Mio € Investment**





# VEKA Recycling Division



..our plant in Germany





# VEKA Recycling Division







# Conclusion



- Enough materials for Recycling
- Building products are recyclable
- Economic sense
- Acceptance and applications necessary
- Other barriers like REACH



