

# Roof Life Analysis

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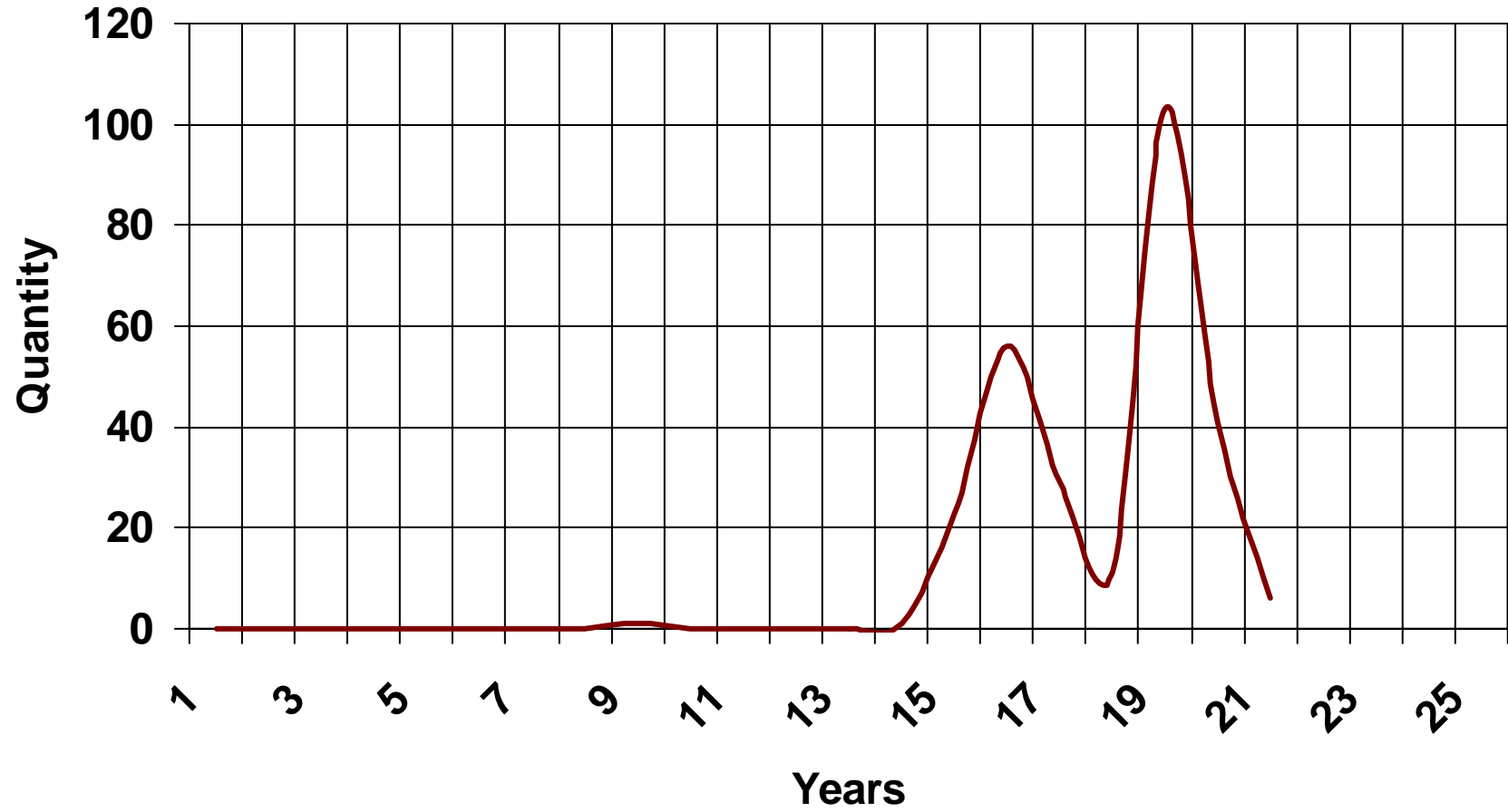
# Data Source

- Data taken from Erik Schneekluth Data Base provided to me.
- Database contained a history of 271 buildings with both a current and prior roof replacement date.
- Analysis was done using this minimal sample since there was no other data available.

# Process

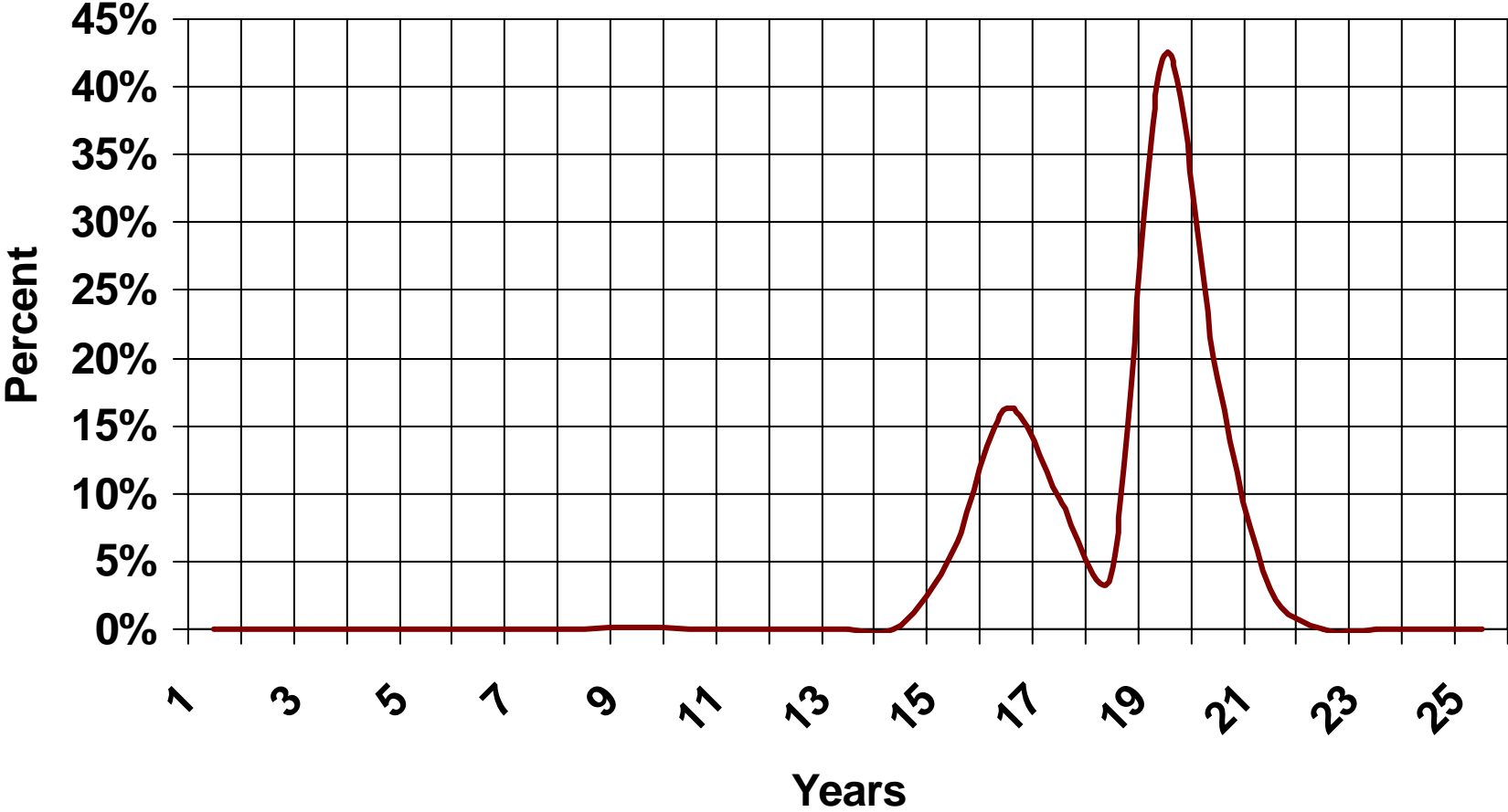
- By determining the difference between the roof replacement dates, an age of roof at time of replacement was determined.
- Using this data, both a quantity of replacements by age and percentage of replacements by age was determined as shown in the following charts.

# Roof Replacements by Age



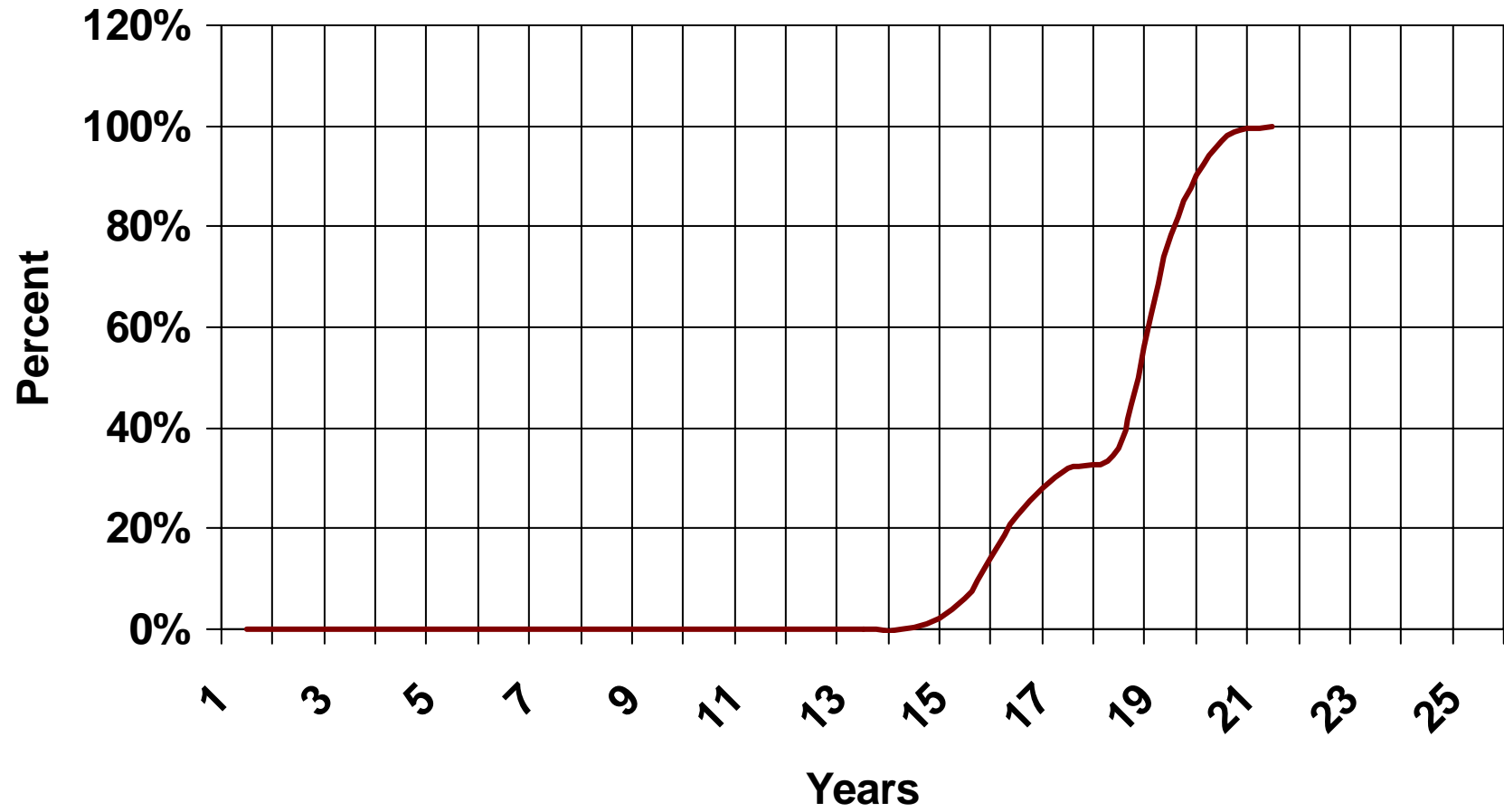
— Replacements

# Roof Replacement % by Age



— Rep Rate

# Cumm Roof Replacement % by Age



— Replacements

# Observations

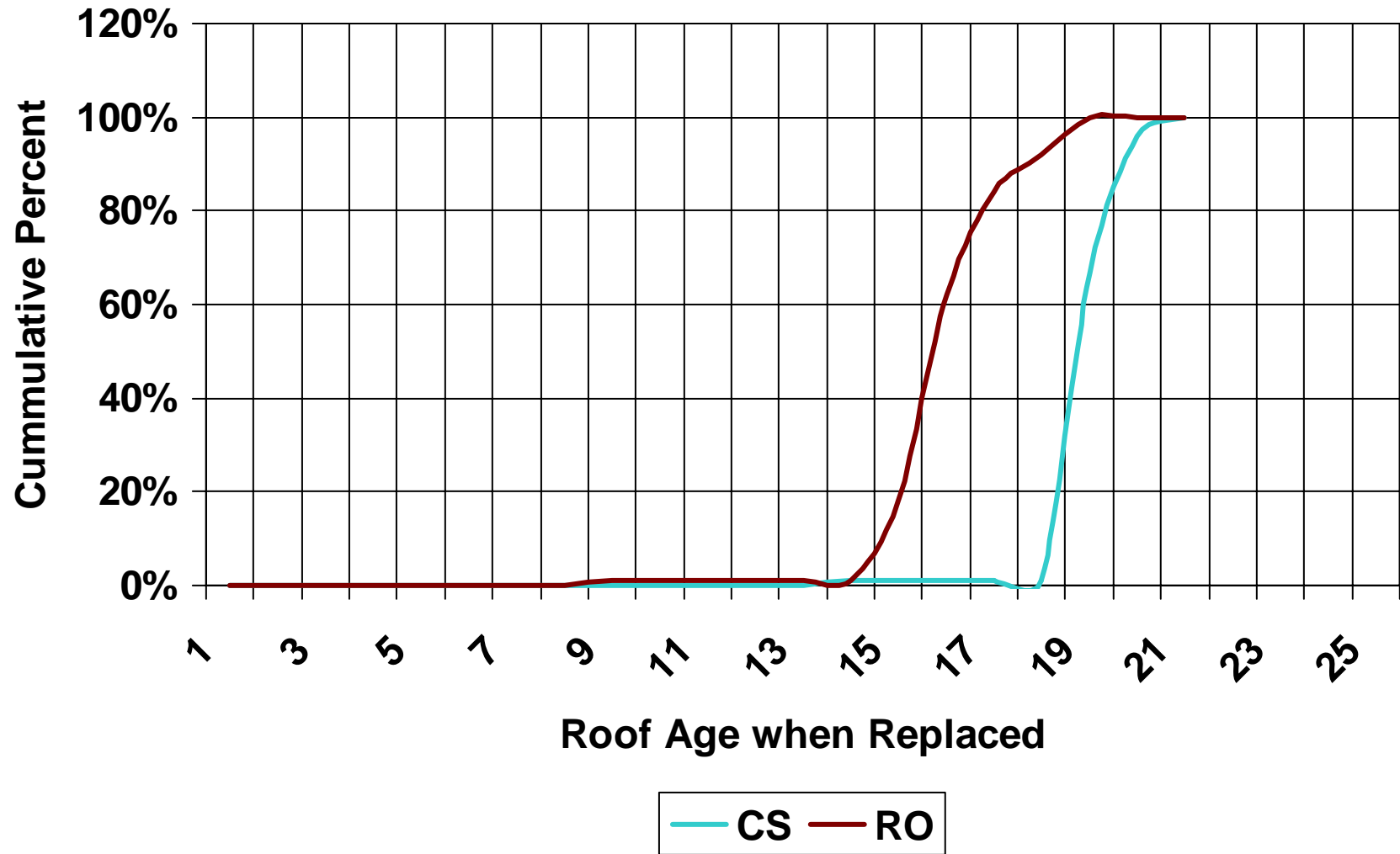
- A high percentage (15%) were replaced at 17 years of age.
- No roofs were older than 22 years at the time of replacement.

# Further Questions & Observations

- This data is composed of two types of roofs:
  - Composite Shingles (CS), and,
  - Built up roofs (RO).
- These different roofs have different lives and the following data charts reflect this difference.



# Cumm Roof Replacement % by Age



<b>Bldg Type</b>	<b>CS</b>	<b>ECT</b>	<b>RO</b>	<b>TI</b>	<b>Total</b>
Barcelona			27		27
Cadiz	58				58
Casa Contenta			43	43	86
Casa Linda			113	113	226
Castilla			40	40	80
Cordoba			120		120
Granada	63				63
La Corona(3)	81				81
La Corona (6)	1				1
Madrid			93		93
Majorca/Casablanca (16)	36				36
Majorca/Casablanca (8)	76				76
Monterey/Coronado (12)			4		4
Monterey/Coronado (8)			24		24
San Sabastian	96			22	118
Seville (new)		40	50	10	100
Seville (old)	75		2		77
Valencia	63		39		102
<b>Grand Total</b>	<b>549</b>	<b>40</b>	<b>555</b>	<b>228</b>	<b>1372</b>