

Architectural Precast Concrete

by Northwest Precast

AIA/CES Provider # L451

Course # 112009

5-10 min

Assemble and ‘grab’ the prepared lunch

30 min

Intro - Basic Overview of Architectural Precast –

How long has it been around?

Differences/similarities between Cast Stone and Architectural Precast.

(common misconceptions on which to specify on plans)

Benefits of using Architectural Precast.

Versatility with the aesthetics.

Design Flexibility.

Precast manufacturing method favors tight schedules or deadlines.

Economic Feasibility.

Durability of Precast.

LEED possibilities.

What to look for when selecting a precast manufacturer.

Industry standards must be followed.

Manufacturer must be APA certified.

(informative to spec writers)

Admixtures in Concrete

Educational review on how the use of admixtures has significantly improved quality and development of Architectural Precast and concrete in general.

Also a general overview of the latest admixtures (water reducers, air entrainment and Superplasticizers).

Looking for the signs and identifying poorly mixed concrete.

SCC concrete.

Precast items

Wall Panels

Whisper Wall

Cornice

Sandwich Panels

Treads

Architectural – Parking Curbs, Pyramid Bases, Risers

Design – Engineering – Product Advancements

Precast Attachment – Post damp proofing Case Studies

White Cement – Self-Cleaning concrete

Water-Proofing

Modern 3D design technology

Examples....Advantages

Engineered Precast Stairs

Advantages compared with typical deck pan stairs.

5-10 min

Questions or Comments



NORTHWEST PRECAST

architectural concrete products