



exposed concrete monument preservation and restoration

Lissabon, April 2025 MARTIN BERGER (BECONART)



exposed concrete post-processing

3 main points:

1. New construction: contractual target of exposed concrete quality = surface design
2. Renovation: repair + surface design
3. Monument protection: renovation & preservation as original

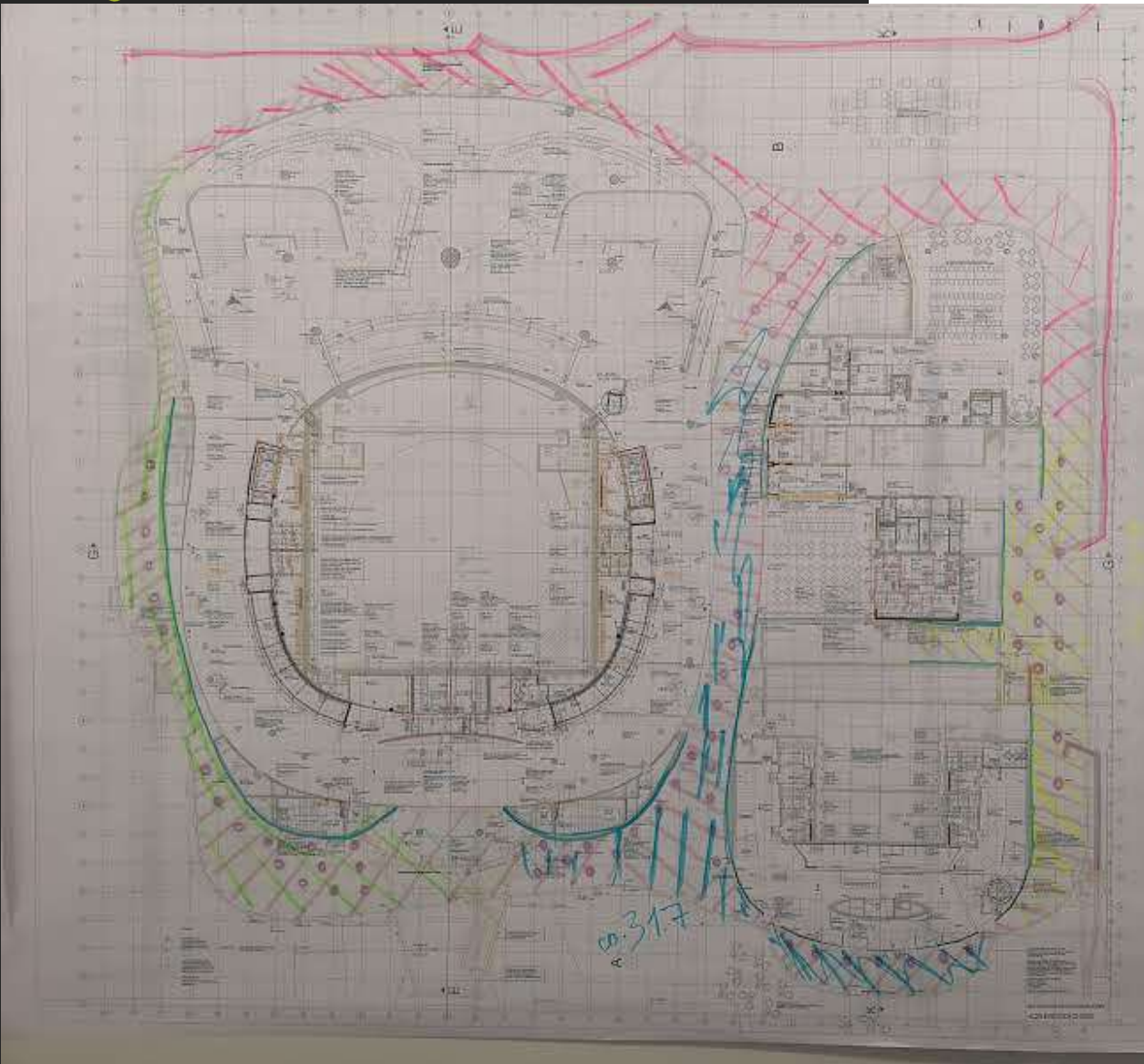


- Cultural monument Schauspielhaus Düsseldorf
- Repair, cleaning & redesign like in the 1960's
- architect Bernhard Pfau/ Rest. Ingenhoven architects
- 2.500 m2 concrete wood structure



Schauspielhaus Düsseldorf

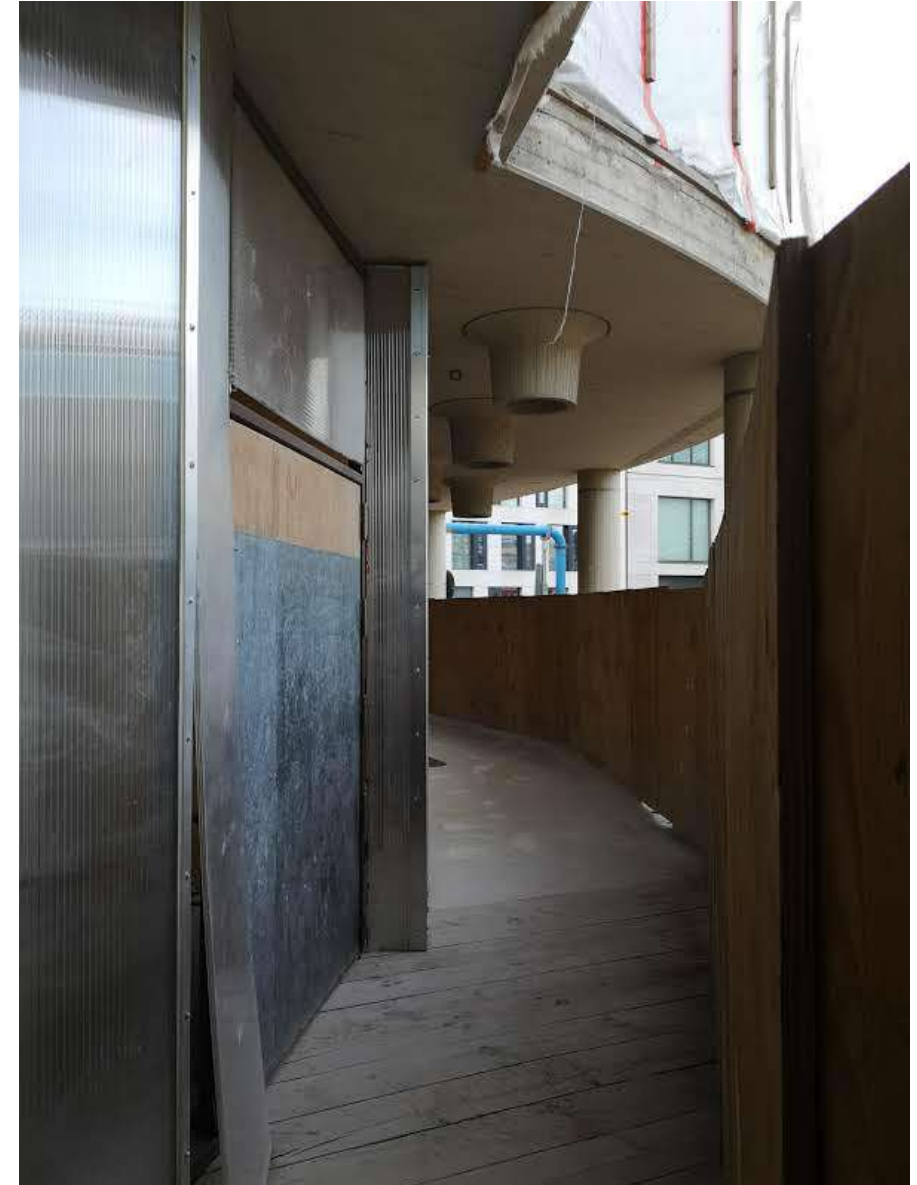
planning & example on site





Schauspielhaus Düsseldorf

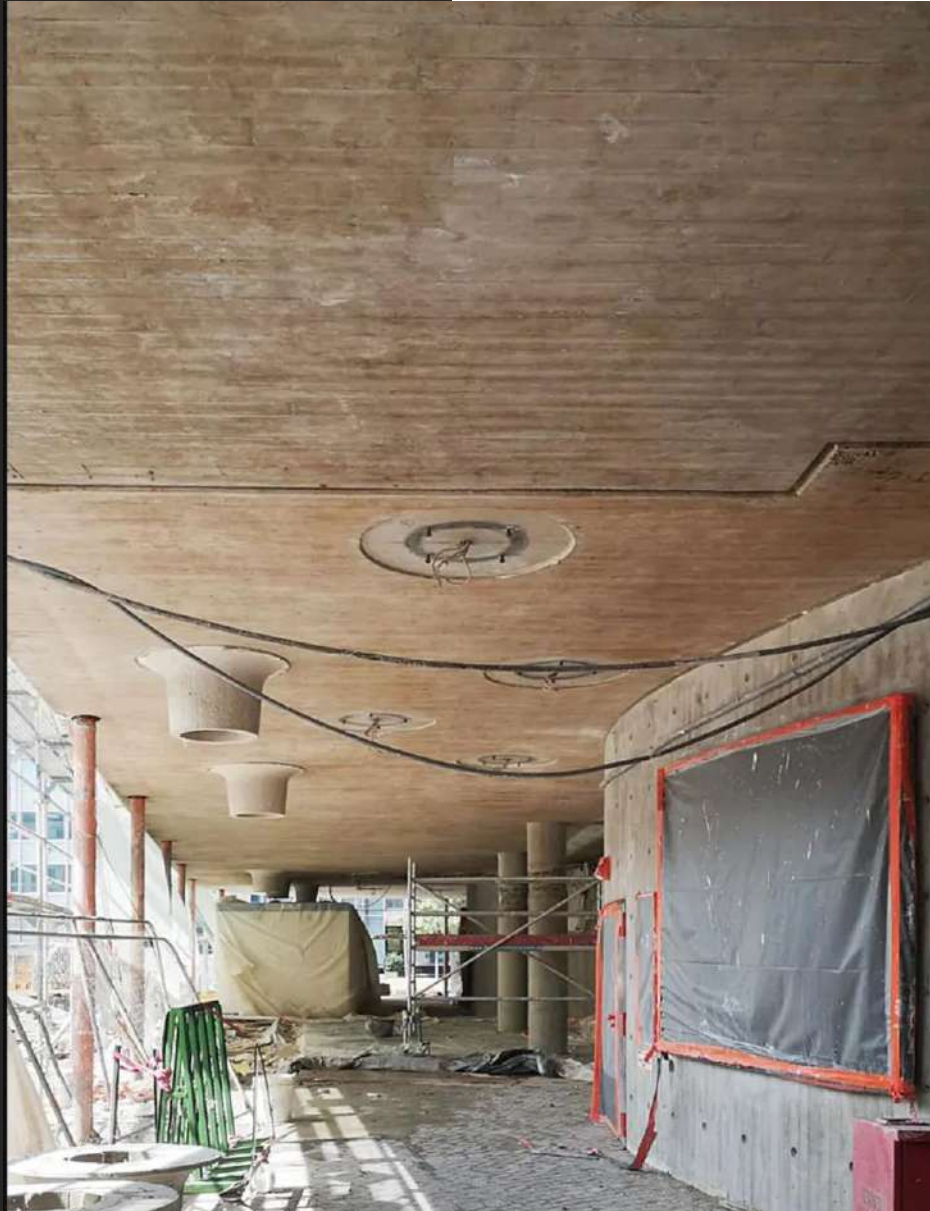
set up & secure





Schauspielhaus Düsseldorf

strip, remove old layers





Schauspielhaus Düsseldorf

Restore details





Schauspielhaus Düsseldorf

structural adjustments





Schauspielhaus Düsseldorf

structural adjustments





Schauspielhaus Düsseldorf Lasur finishing & protection





Schauspielhaus Düsseldorf Lasur, finishing & protection





Schauspielhaus Düsseldorf

Before & after





Restoration points

1. **planning & example on site**
2. **set up & secure**
3. **strip, remove old layers**
4. *(if necessary)*
5. *Repair & remineralization*
6. *Colouring & redesign*
7. *Protection system*

*Deutscher Beton- und Bautechnik-Verein E.V.: Sichtbetonkosmetik (2016), S.6



Restoration of a border tower from the time of the German division East West



Restoration of a border tower from the time of the German division East West





**We
make concrete visible
make exposed
concrete beautiful
everywhere and
sustainably**

- based on our expertise and 16 years of experience
- up to 40 employees
- Specialists from a broad spectrum: concrete builders restorers, church painter and sculptors, stonemasons, and freelance artists



BEFORE

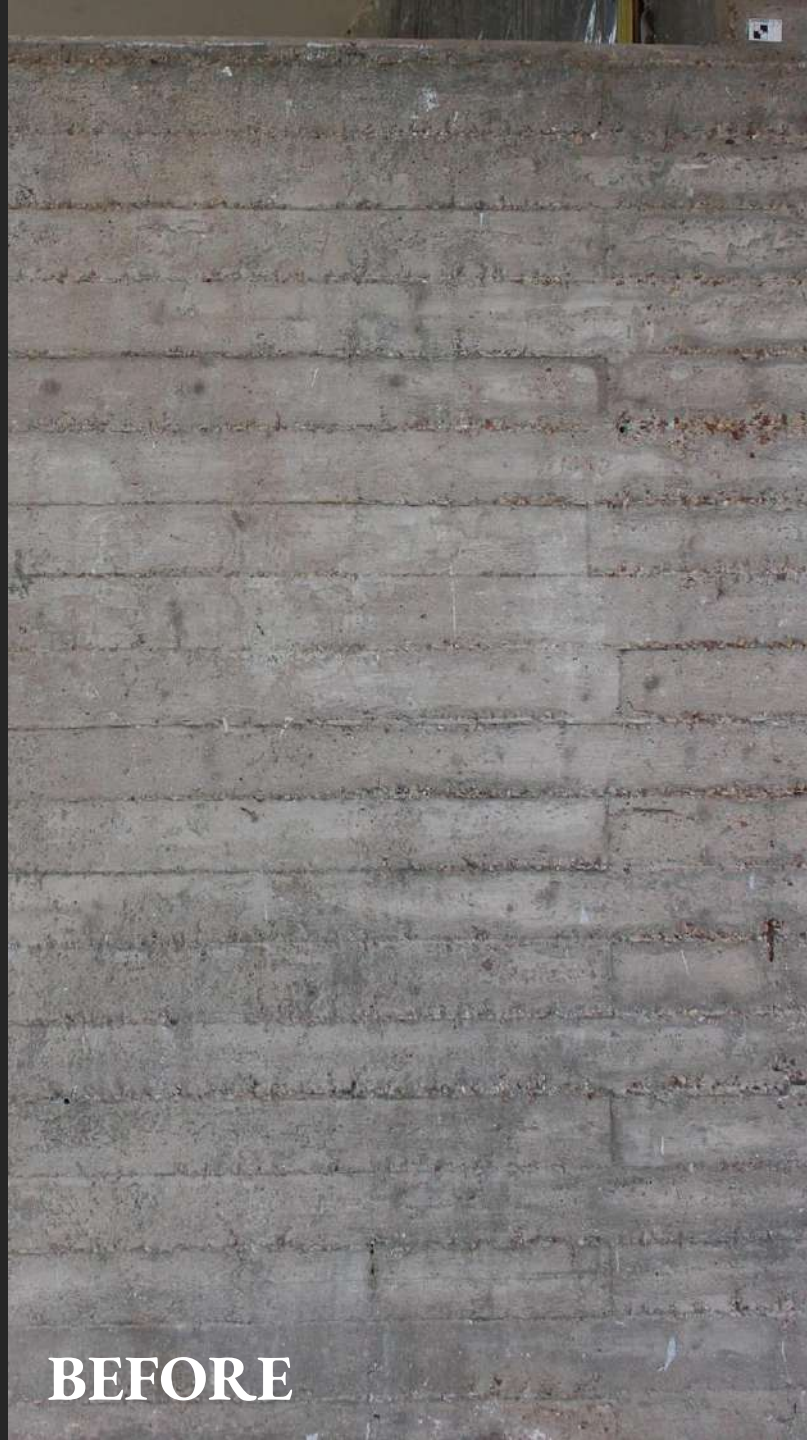


AFTERWARD



From small projects to large ones with over thousands of square meters, we work on:

- broken edges
- chamfers / formwork joints
- cable ducts
- anchor cones
- homogenisation with mineral colour
- broken out areas on cement paste
- large glazes
- pores/blowholes



BEFORE



AFTERWARD



Materials:

Remmers

MC Bauchemie

ARDEX

special mixes for the
project

Minral Colouring/
Design

KEIM

CONCRETAL®-FIXATIV

Concretal®-Lasur etc.





Work steps:

- Clean, remove loose parts
- If necessary, sanitize
- Fine filling/ modeling
- Equalize or structure
- Color homogenization
- Local retouch
- remineralization
- Protect (water/graffiti)





BEFORE



AFTERWARD



BEFORE



AFTERWARD



BEFORE



AFTERWARD





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THANK YOU!

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