SPECIALISATION 03 / 22

VAPOUR & AIRTIGHTNESS

Continuity in airtight construction



FROM PLANNING TO DOCUMENTED HANDOVER

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ABOUT ÆDRA AND OUR DELIVERY METHOD

EXPERIENCE BEHIND THE WORK

20+ **years of combined professional construction experience**

Ædra ApS brings together professional know-how developed through subcontracting in Italy since 2006 and construction management, coordination and delivery in Denmark. This experience belongs to the team and leadership; it is not a claim about the company's incorporation date.

WHAT CLIENTS CAN EXPECT

01 CLEAR SCOPE

Materials, trade boundaries, access requirements and responsibilities are agreed before mobilisation.

02 COORDINATED EXECUTION

Resources, sequencing, site supervision and inspections follow the project programme.

03 DOCUMENTED HANDOVER

Inspection records, concealed-work photographs and nonconformity close-out are tracked.

DANSK INDUSTRI (DI)

The companies' DI membership and applicable collective agreements are stated on the basis of company information. The relevant agreement depends on the employer, occupation and assignment. DI membership is not a technical certification.

SOLUTIONS AND APPLICATIONS

FOUR DISTINCT WORK PACKAGES

Every work package is defined through a buildable scope, clear interfaces, quality checks and documented completion.



01 Continuous vapour-control membrane

Prepare clean substrates, agree membrane position in the assembly and install the continuous vapour-control layer before adjoining trades close the build-up.

02 Sealed overlaps and membrane joints

Use compatible adhesive tapes, primers and pressure according to the manufacturer's instructions. Avoid folds, wrinkles and unsupported joints.

03 Service penetrations and collars

Coordinate every duct, cable and pipe penetration; fit suitable collars and tapes and prevent movement from tearing the seal.

04 Window and structure connections

Connect membrane layers to window frames, concrete and adjoining construction using approved tapes or elastic connections.

EXECUTION AND QUALITY CONTROLS

TECHNICAL DELIVERY / CONTROL POINTS

01 Continuous vapour-control membrane

INSTALLATION / DELIVERY METHOD

Prepare clean substrates, agree membrane position in the assembly and install the continuous vapour-control layer before adjoining trades close the build-up.

QUALITY HOLD POINT

Check overlaps, fixings, damage, continuity and the relevant moisture design requirements.

02 Sealed overlaps and membrane joints

INSTALLATION / DELIVERY METHOD

Use compatible adhesive tapes, primers and pressure according to the manufacturer's instructions. Avoid folds, wrinkles and unsupported joints.

QUALITY HOLD POINT

Document overlap widths, substrate condition, product compatibility and full adhesion.

EXECUTION AND QUALITY CONTROLS

TECHNICAL DELIVERY / CONTROL POINTS

03 Service penetrations and collars

INSTALLATION / DELIVERY METHOD

Coordinate every duct, cable and pipe penetration; fit suitable collars and tapes and prevent movement from tearing the seal.

QUALITY HOLD POINT

Inspect perimeter adhesion, collar fit, substrate cleanliness and continuity of the airtightness line.

04 Window and structure connections

INSTALLATION / DELIVERY METHOD

Connect membrane layers to window frames, concrete and adjoining construction using approved tapes or elastic connections.

QUALITY HOLD POINT

Review movement allowance, water-shedding, connection geometry and inspection access before lining.

MATERIALS AND TRADE INTERFACES

DETAILS THAT MAKE DELIVERY RELIABLE

Confirm the design intent before installation; record concealed interfaces; release the next trade only when the relevant quality hold point is closed.



FOUR CRITICAL INTERFACE QUESTIONS

01 Approved substrate and loads

02 Material and system selection

03 Trade and service interfaces

04 Inspection and handover evidence

SYSTEM REQUIREMENT: Dimensions, classifications, installation approvals and permissible activities are established by the project design and the selected manufacturer's documented system.

PROGRAMME / QA-QC / HSE

A DELIVERY PROCESS THAT CAN BE VERIFIED

01 PROJECT DEFINITION

Scope boundaries, design revisions, materials and acceptance criteria.

02 PLANNING & LOGISTICS

Access, sequence, deliveries, interfaces and temporary works.

03 FIRST INSTALLATION

Inspect first-off work or a representative mock-up before repetition.

04 ROUTINE INSPECTIONS

Photographs, dimensions and records of work that will be concealed.

05 DEFECTS & FOLLOW-UP

Assign observations, corrective actions and close-out responsibilities.

06 HANDOVER

Deliver checklists, relevant product records and the agreed dossier.

Safety arrangements and competence boundaries must be agreed for the assignment. Reserved electrical and plumbing installations must be undertaken and signed off by appropriately authorised contractors; Ædra may coordinate builders' works and installation support within its agreed scope.

ÆDRA

SPECIALISATION 03 / BUILDING ENVELOPE

FROM FIRST SET-OUT TO THE FINAL INSPECTION.

YOUR PARTNER FOR A COORDINATED PACKAGE

Ædra supports complex building projects through specialised execution, site coordination and documented quality. Share your project, drawings and programme so we can clarify scope and the next step together.

INFO@SYNERA.DK

SELECTED TECHNICAL REFERENCES

01 membran-erfa.dk/

02 dafa.dk/

03 siga.swiss/

Images are illustrative and do not represent verified Ædra project references. Fire, acoustic, radiation shielding and structural performance must be checked against the approved project design and tested system details. Membership and collective agreements are stated from company information.

ÆDRA

SYNERA GROUP

Explore all 22 Ædra work areas

09 Civil works & foundation excavation

10 Precast & prefabricated element installation

02 Drywall, X-ray linings & specialist interiors

04 Suspended & airtight ceilings

05 Timber acoustic ceilings & wall cladding

14 Flooring & finishes

15 Painting & surfaces

16 Doors, windows & joinery

17 Masonry, plastering & tiling

18 Renovation & fit-out

06 Ventilation and ductwork

07 Plumbing, pipework & mechanical interfaces

08 Electrical interfaces & builders' works

12 Technical pipe insulation

13 Cladding & ventilated façades

03 Vapour barriers & airtightness

01 Passive fire protection & firestopping

11 Site management, QA/QC & delivery support

19 Cutting & core drilling

20 Roofing & waterproofing

21 ETICS & rendered façades

22 Selective strip-out