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COFFOR USA INC.

INNOVATION IN CONSTRUCTION



THE COFFOR SYSTEM

- DESCRIPTION
- >APPLICATIONS
- >TESTS PERFORMED -CERTIFICATIONS
- >ADVANTAGES OVER OTHER SYSTEMS



DESCRIPTION (II)



CONCRETE POURED BETWEEN THE TWO GRIDS EXCESS WATER IS

- EXCESS WATER IS
 ELIMINATED BY GRAVITY
 AIR IS ALSO ELIMINATED
- CONCRETE PRESSURE IS GREATLY REDUCED
- COFFOR REMAINS IN THE WALL AFTER POURING

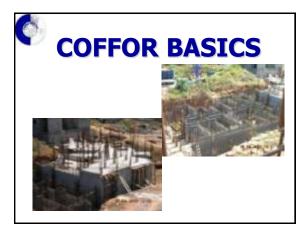




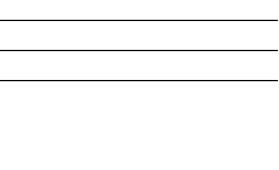




- FOUNDATIONS, CRAWL SPACES, COLOMNS, BEAMS, WALLS, RADIUS WALLS, SLABS, ROOFS
 BUILDINGS: PRIVATE, RESIDENTIAL,
- COMMERCIAL, INDUSTRIAL, HIGH RISE
- > HOSPITALS, SCHOOLS, UNIVERSITIES, SWIMMING POOLS
- > TUNNELS, DYKES, SUSTAINING WALLS, ADJOINING WALLS, SUPPORTING WALLS
- >UNDER WATER !!!







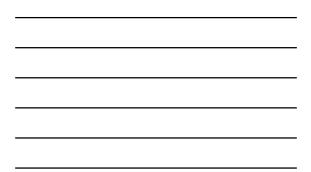






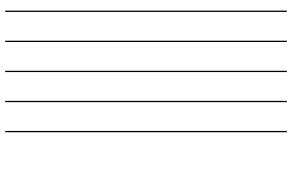


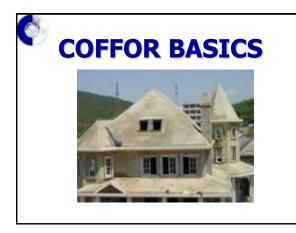






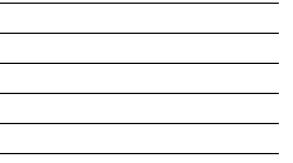








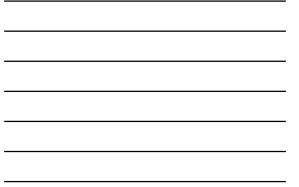
































INNOVATION COFFOR

ALL THE COMPONENTS OF COFFOR ARE ALREADY USED IN CONSTRUCTION:

RIBLATHE, C CHANNELS, REBARS

THE PARTICULAR OF COFFOR IS TO ASSEMBLE THEM TOGETHER

COFFOR IS A SYSTEM

CERTIFICATIONS

- > THE FIRST CONSTRUCTION WAS DONE IN 1996 FOR THE PILES OF THE HOSPITAL GEORGE POMPIDOU IN PARIS
- > MORE THAN 21.530.000 ft² OF CONSTRUCTION WERE DONE IN 2005 AND 2006
- COFFOR IS CERTIFIED: CSTB (France), CNERIB (Algeria), ITB (Poland), Switzerland, China, Russia, Thailand, Turkey, Saudi Arabia, UAE, Egypt...
- > TEN YEAR GUARANTEE ISO 9001

LABORATORY TESTS

SEVERAL TESTS WERE PERFORMED IN FRANCE,SWITZERLAND, EGYPT, CHINA & ALGERIA TO MEASURE:

- > RESISTANCE UNDER COMPRESSION $\sqrt{}$
- > RESISTANCE UNDER DEFLEXION $\sqrt{}$
- > BONDING OF THE C PROFILE TO CONCRETE $\sqrt{}$
- > IMMEDIATE SHRINKAGE OF CONCRETE $\sqrt{}$
- > CONCRETE QUALITY \checkmark

COFFOR ADVANTAGES:

- VERY LIGHT (23 lb/11ft²), COFFOR CAN BE CARRIED BY HAND
- >NO CRANE NECESSARY INCREASED SITE SECURITY
- > EASY TO USE NO QUALIFIED PERSONNAL IS NECESSARY
- >NO NEED FOR ACCESSORIES (WIRES & TUBES ARE SUFFICIENT)
- >CONSTRUCTION TIME IS REDUCED BY AT LEAST 50% !!!

COFFOR ADVANTAGES:

- > EASY INSERTION OF REBAR (IF NECESSARY)
- > NO NEED TO ADD REBAR IN CURRENT PORTION OF WALLS
- > ELIMINATION OF ANTI-CRACK WELDED WIRE
- > VISUAL CONTROL OF THE POUR (NO SEGREGATION)
- > EASY INSERTION OF RESERVES FOR PLUMBING & ELECTICITY

COFFOR ADVANTAGES:

- > OTHER FILLING MATERIAL POSSIBLE
- > EASY APPLICATION OF ANY TYPE OF FINISHING
- COFFOR CAN EASILY BE CUT W A CIRCULAR SAW
- **> EXTREMLY COST EFFECTIVE**

INNOVATION COFFOR

- > COFFOR ALLOWS ALL ARCHITECTURAL FREEDOM
- > LAST MINUTE CHANGES ARE EASILY POSSIBLE
- > INSULATED COFFOR OFFERS AN EXTERIOR INSULATION THAT ELLIMINATES THERMAL BRIDGES AND REDUCES HEATING COSTS

INNOVATION COFFOR

COFFOR IS ENVIRONMENTALY FIENDLY (NO WOOD BURNT ON SIDE & NO NEED FOR CLEAINING OIL) AND PRESERVES NATURAL RESOURCES (WOOD USE VASTLY REDUCED & USE OF BRICKS ELIMINATED)

COFFOR vs SHUTTERS DISADVANTAGES :

>A FINISHING IS NECESSARY >COFFOR CAN NOT BE USED AGAIN >NECESSITY TO WEAR GLOVES

COFFOR vs SHUTTERS DISADVANTAGES :

- >NO DISMENTALING NECESSARY
- >NO NEED FOR QUALIFIED WORKERS

\succ NO ACCESSORIES

> ELIMINATION OF ALL PROBLEMS RELATED TO SHUTTERS: INVESTMENT, AVAILABILITY, TRANSPORT, CLEANING, MAINTENANCE, ROTATION, STORING

COFFOR vs SHUTTERS DISADVANTAGES :

- > NO CRANE NECESSARY INCREASED SITE SECURITY
- > EASY CONTROL OF THE RERBAR POSITION
- **> EASY CONTROL OF THE POUR**
- POSSIBILITY TO POOR ONE ENTIRE STORY IN ONE PASS
- > EASY INTEGRATION OF SECOND WORK RESERVES (ELECTRICITY & PLUMBING)