IMAGINING POSSIBILITIES WITH DOW

ZAK WOF JAKARTA – 11th July 2019
Shaping the façades of world cities with silicone technologies
HIGH PERFORMANCE BUILDING PORTFOLIO

- Structural glazing sealants
- Weatherproofing sealants & Membranes
- Insulating glass sealants
- Sprayable air & weather barrier
- Panel bonding adhesives
- Hot-melt glazing sealants
- Weatherseals for non-glass facades
- Panel bonding adhesives
- Sprayable air & weather barrier
- Panel bonding adhesives
- Hot-melt glazing sealants
- Weatherseals for non-glass facades

- Fire Resistance Sealants
- Crystal clear glazing (TSSA, hot-melt, softgel)
- Silicone Hybrid (non-staining, paintable)
DESIGNED FOR SUPER HIGH WIND – 400km/h

#Adrian Smith & Gordon Gill Architecture - Jeddah Tower, Jeddah
SUPER XL GLASS – 14M IGU PANELS

- #Blavatnik Faculty, Oxford UK
SAFETY AND PERFORMANCES
DESIGN FREEDOM – GLASS ROOF

#Chadstone Melbourne/ DOWSIL SSG
CRystal Clear Aesthetic

#Press Glass/Pressglass Technologies/DOWSIL TSSA – Transparent Structural Silicone Adhesive
DIFFERENT MATERIALS IN CONSTRUCTION

COLOSSEUM ROME BUILT OUT OF STONE 80AD

LUIS VUITTON FOUNDATION PARIS
BUILT OUT OF DIFFERENT MATERIALS

BY FRANK GEHRY
FACADE CLADDING (FAST FIX, INVISIBLE)
PANEL CLADDING, INVISIBLE BONDING

# THE KEPLIS/ DOWSIL 896 PANEL FIX SYSTEM
**PROJECT NEEDS**

- BOMB BLAST
- SEISMIC LOAD
- WIND LOAD
- CLIMATIC LOAD
- BARRIER LOAD
- MOVEMENT
- TEMPERATURE DIFFERENCES

ARCHITECTS ADRIAN SMITH & GORDON GILL & SOM
Consumer Solutions

**Expertise Support & Collaboration for Your Project**

**DESIGN SUPPORT**
Design Recommendations, Blue Print Review, Advanced Calculations

**APPLICATION SUPPORT**
Start-up Service, Technical Trainings, Quality Bond Audits, New Technology Implementation

**GLOBAL PRESENCE LOCAL SUPPORT**
Local product certifications, Local technical distributor

**F.E.A.T.**
Facade Engineering & Design Team
Hyper Elastic Material Models, FEM, Thermal Modelling

**HIGHEST QUALITY**
Quality Bond Program: Audited, controlled, promoted to architects with extended warranty

**MATERIAL TESTING**
Substrate Adhesion, Compatibility, Staining, Analytical Support

**PROJECT MANAGEMENT**
COOL – CONstruction OnLine
Testing, Review, Calculation, Warranty
QUALITY ASSURANCES: DOW QUALITY BOND PROGRAM

Building reputations together

- Certification, standards and assurances program.
- Quality Bond Members
  - Trained and audited to meet Dow highest quality standards
- Currently available in Europe, Middle East, Africa, ASEAN and Greater China.
- ASEAN:
  - Philippines - 5; Singapore – 2, Malaysia – 1; Thailand - 4
COLLABORATIONS : SEEK TOGETHER
MOULD RESISTANCE

DOWSIL™ F4 High Performance Mould Resistant Sealant

- Formulated for 4x higher resistance to growth of mold and mildew
- Neutral and non-corrosive to metal
- Extremely Low VOC (<2%)
- Good adhesion to broad range of building materials
Thank You

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