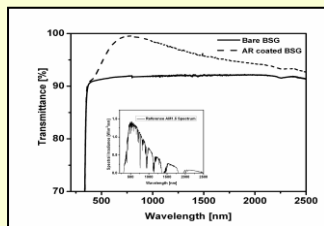
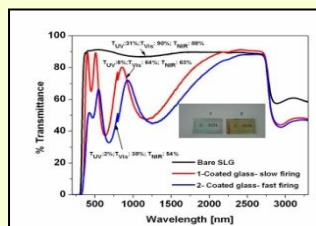


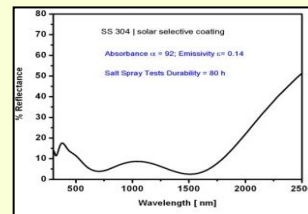
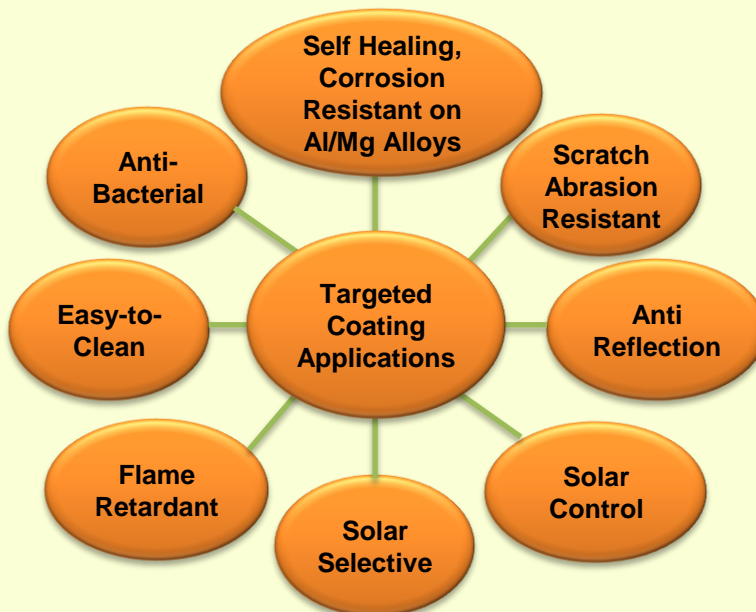
## CENTRE FOR SOL-GEL COATINGS (CSOL)



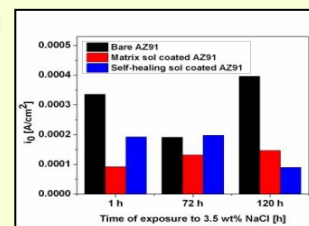
Transmittance spectrum of single layered antireflective coating on BSG



Transmittance spectra of fully dielectric solar control coating



UV-Vis-NIR reflectance spectrum of solar selective coatings on SS



Comparison of corrosion currents for bare and coated AZ91 substrates

- ◆ Developing Innovative Sol Compositions for Technology Oriented Product Development
- ◆ Sol Synthesis, Coating, Characterization and Testing
- ◆ Prototype Development
- ◆ Technology Transfer

### PROCESS FACILITIES

- 10 l, 20 l and 100 l reactors

### CLEANING AND PRETREATMENT OF SUBSTRATES

- Ultrasonic cleaning
- Flat glass cleaner
- Plasma treatment

### COATING DEPOSITION

- Automated spray coating facilities (1 m x 1 m size)
- Dip coaters
- Spin coaters
- Screen printer
- Pad printer



Abrasion Resistant Coatings



Flame Retardant Coating



Hard Coatings on Plastics



Coloured coatings on glass



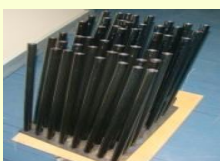
Bare & AR Coated Glass



Anti-corrosion Coatings



Scratch resistant coating



Solar selective coating



Easy-to-clean coating



Pilot Plant



Plasma treatment



Dip Coater



Flat spray unit



Batch furnace



Taber abraser