

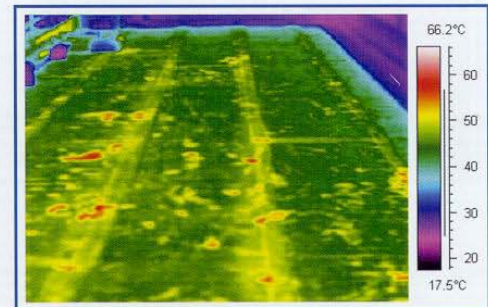
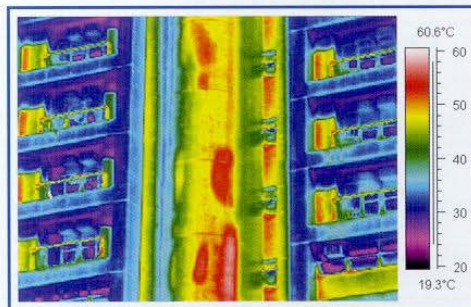
Infra-red Thermography

Stanger Asia Limited, have a great deal of experience in the use of infra-red thermography. This has become a vital element in the extensive range of non-destructive testing techniques which we provide as part of our investigations service.

Many and varied situations have been investigated, ranging from cold store insulation problems to location of under-floor heating pipes, together with checking the presence and efficiency of cavity insulation.

- ◆ Heat
- ◆ Heat flow
- ◆ Temperature
- ◆ Thermal conductivity
- ◆ Emissivity
- ◆ Insulation
- ◆ Leakage
- ◆ Moisture
- ◆ Non-destructive testing

- ◆ Civil Engineering
- ◆ Industrial Plant
- ◆ Factories / Warehouses
- ◆ Cold Stores
- ◆ Public Buildings
- ◆ Housing
- ◆ Roads
- ◆ Mains Supplies / Services



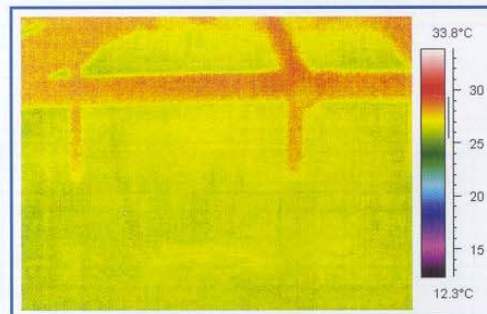
Infra-red Thermography

The capabilities of the advanced technology systems now available have extended our range of activities within this field. We have now introduced a considerable number of new applications, in particular within the fields of Building and Civil Engineering. Notable examples have included the investigation of laminations in concrete structures which may be rapidly evaluated by thermography, problems with claddings, eg. g.r.p. and tiling, and moisture penetration.

The knowledge and practical experience of our senior operating personnel, together with the considerable multi-disciplinary expertise within Stanger Asia Limited, ensures that meaningful interpretation of results can usually be provided.



- ◆ Pavement delaminations
- ◆ Corrosion spalling
- ◆ Construction faults
- ◆ Construction fabric deterioration
- ◆ Thermal insulation - floors / roofs
- ◆ Malfunctioning electrical equipment
- ◆ Pipe Insulation Failure
- ◆ Buried heat sources location / failure
- ◆ Machinery bearing wear



- ◆ Condensation
- ◆ Moisture penetration
- ◆ Thermal Bridging
- ◆ Video Recording
- ◆ Photographic Recording
- ◆ Record processing
- ◆ Fault location
- ◆ Fault quantification