

REFERENCES

- Aggelis, D. G., Kordatos, E. Z., Soulioti, D. V., & Matikas, T. E. (2010). Combined use of thermography and ultrasound for the characterization of subsurface cracks in concrete. *Construction and Building Materials*, 24(10), 1888–1897.
<https://doi.org/10.1016/j.conbuildmat.2010.04.014>
- Aggelis, D. G., Kordatos, E. Z., Strantza, M., Soulioti, D. V., & Matikas, T. E. (2011). NDT approach for characterization of subsurface cracks in concrete. *Construction and Building Materials*, 25(7), 3089–3097.
<https://doi.org/10.1016/j.conbuildmat.2010.12.045>
- BS 1881 : Pat-t 202. (1986). *Testing concrete*. <https://doi.org/Construction Standard, CS1:2010>
- Clark, M. ., McCann, D. ., & Forde, M. . (2003). Application of infrared thermography to the non-destructive testing of concrete and masonry bridges. *NDT & E International*, 36(4), 265–275. [https://doi.org/10.1016/S0963-8695\(02\)00060-9](https://doi.org/10.1016/S0963-8695(02)00060-9)
- El Reedy, M. (2009). *Advanced materials and techniques for reinforced concrete structures*. Retrieved from
http://issuu.com/sulmankhalid/docs/advanced_materials_and_techniques_f
- Graves, R. E. (2007). Significance of Tests and Properties of Concrete and Concrete-Making Materials, STP 169D. *Annual Book of ASTM Standards*, 337–345. <https://doi.org/10.1520/STP37742S>
- Halabe, U. B., Klinkhachorn, P., & Sazonov, E. (2002). Nondestructive evaluation of FRP composite bridge components using infrared thermography. *28th Annual Review of Progress in Quantitative Nondestructive Evaluation*, 615(2002), 1303–1309. <https://doi.org/10.1063/1.1472946>
- IAEA, I. A. E. A. (2002). Guidebook on non-destructive testing of concrete structures. *Training Course Series*, 17(17), 231. Retrieved from
http://200.10.161.33/cirsoc/pdf/ensayos/tcs-17_web.pdf
- Khan, F., Bolhassani, M., Kontsos, A., Hamid, A., & Bartoli, I. (2015). Modeling and experimental implementation of infrared thermography on concrete masonry

structures. *Infrared Physics & Technology*, 69, 228–237.

<https://doi.org/10.1016/j.infrared.2015.02.001>

- Kylili, A., Fokaides, P. A., Christou, P., & Kalogirou, S. A. (2014). Infrared thermography (IRT) applications for building diagnostics: A review. *Applied Energy*, 134, 531–549. <https://doi.org/10.1016/j.apenergy.2014.08.005>
- Lerma, C., Mas, Á., Gil, E., Vercher, J., & Peñalver, M. J. (2013). Pathology of building materials in historic buildings. Relationship between laboratory testing and infrared thermography. *Materiales de Construcción*, 64(313), e009. <https://doi.org/10.3989/mc.2013.06612>
- Lim, M. K., & Cao, H. (2013). Combining multiple NDT methods to improve testing effectiveness. *Construction and Building Materials*, 38, 1310–1315. <https://doi.org/10.1016/j.conbuildmat.2011.01.011>
- Lorenzi, A., Tisbieriek, F. T., Carlos, L., & Filho, S. (2007). Ultrasonic Pulse Velocity Analysis in Concrete Specimens 2 . Concrete Evaluation considering Nondestructive Testing.
- Qasrawi, H. Y. (2000). Concrete strength by combined nondestructive methods simply and reliably predicted. *Cement and Concrete Research*, 30(5), 739–746. [https://doi.org/10.1016/S0008-8846\(00\)00226-X](https://doi.org/10.1016/S0008-8846(00)00226-X)
- Searer, G. R., Associates, E., Paret, T. F., Valancius, J., & Pan, J. C. (2009). Cracking in Concrete Fill on Metal Decks , Cracking in Flat Plate Concrete Slabs , and Cracking in Concrete Walls, 2313–2322. [https://doi.org/10.1061/41031\(341\)252](https://doi.org/10.1061/41031(341)252)
- Soudki, K. A. (2001). Concrete Problems and Repair Techniques, 1–20. Retrieved from <http://www.epicuro.co.uk/uploads/cr1-9.pdf>
- Taillade, F., Quiertant, M., Benzarti, K., & Aubagnac, C. (2011). Shearography and pulsed stimulated infrared thermography applied to a nondestructive evaluation of FRP strengthening systems bonded on concrete structures. *Construction and Building Materials*, 25(2), 568–574. <https://doi.org/10.1016/j.conbuildmat.2010.02.019>
- W. Glenn Smoak. (1996). *Guide to concrete repair*.