

Resipod

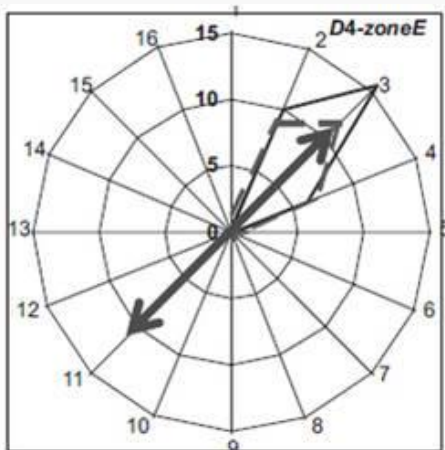
Checking fiber distribution in steel fiber reinforced concrete

Fibers added to concrete improve its mechanical resistance and ductility, reduce its plastic shrinkage or improve its resistance to abrasion, fire or impact.

Large ranges of fibers can be used in concrete, steel, glass, carbon, wood, synthetic, natural and more. An optimal design aims to develop a casting process which favors the optimum orientation of fibers in relation to the principal tensile stress distribution.

The capacity and ability of electrical resistivity measurement to non-destructively characterize variations of the electrical properties of (metallic) fiber reinforced concrete is proven. Proceq's Resipod is the perfect tool to cover this application.

See: J.F. Lataste et al. NDT&E International 41 (2008)



Characterization of fiber distribution in steel fiber reinforced concrete with electrical resistivity measurements (J.F. Lataste et al. NDT&E International 41 (2008) 638– 647)

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