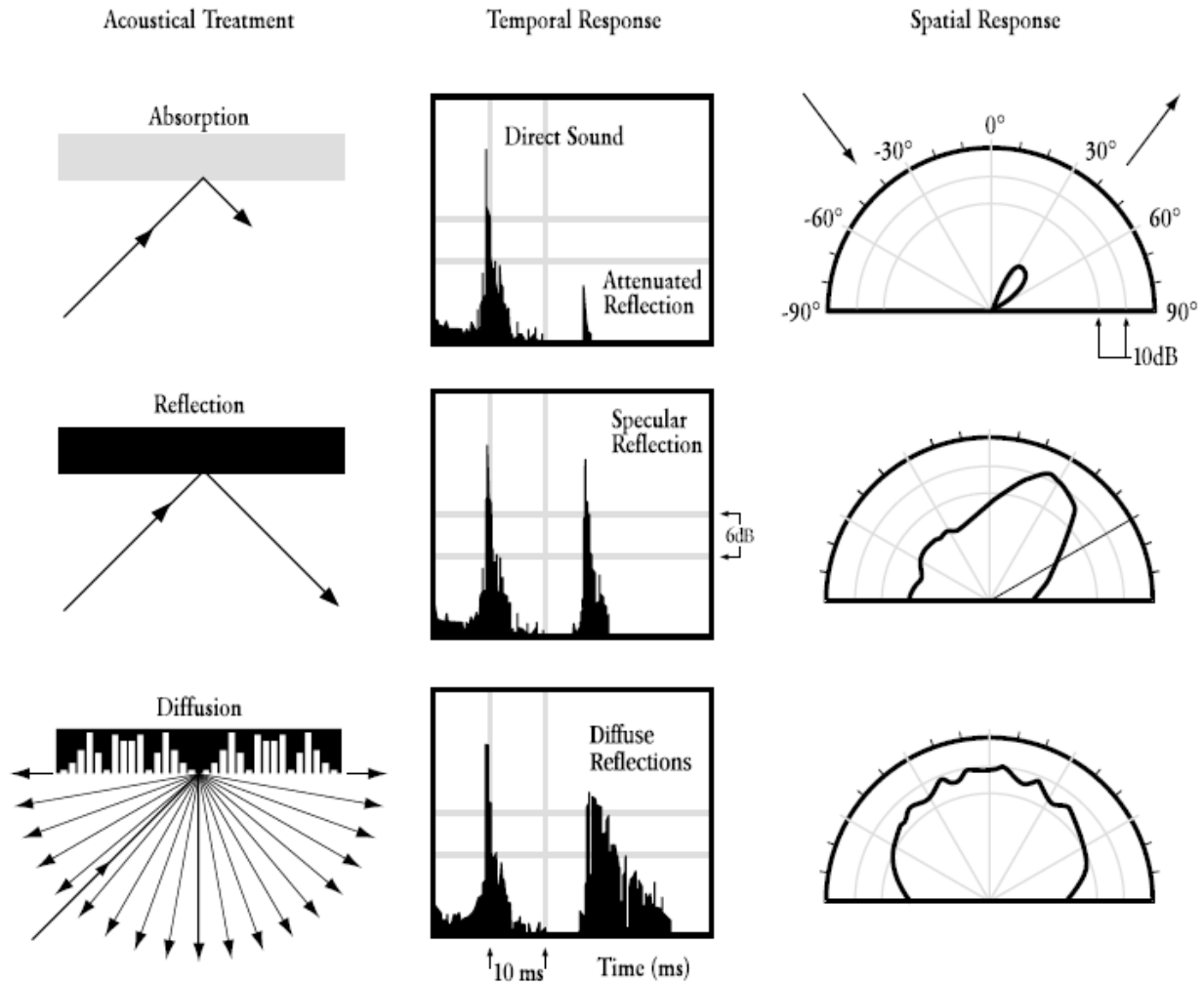


The following figure shows the efficacy of the use of a *phase-grating* sound diffuser – their temporal and spatial/angular response on scattering sound in all directions, compared to conventional/flat-surface sound absorbers and/or simple reflection from a planar surface:



The interested reader is encouraged to Google much additional information on state-of-the-art sound diffuser technology that exists out on the WWW, e.g. see/visit the RPG Diffuser, Inc. website <http://www.rpginc.com/>, which has many technical papers on sound diffuser technology and other interesting information posted there. A number of DIY phase-grating sound diffuser websites also exist, along with phase-grating sound diffuser calculators.