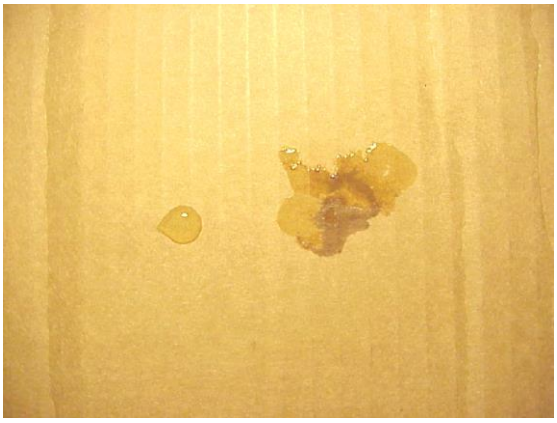
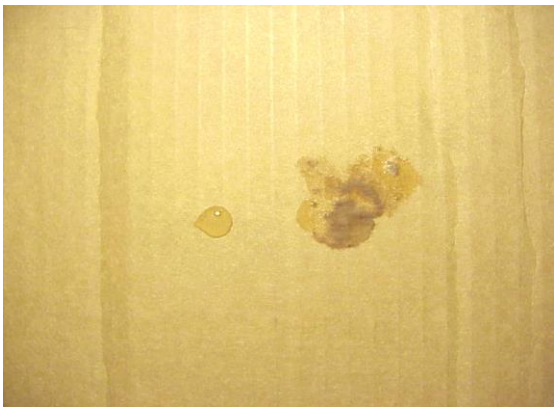
CONSEAL's PENETRATION POWER

This simple demonstration was conducted to show Conseal's superior penetration ability. Although the attached demo was conducted with droplets of water placed on cardboard, it does demonstrate how just a very slight amount of Conseal's enzyme/surfactant blend breaks the surface tension of the liquid and reduces the viscosity, enabling the liquid to penetrate very effectively. Both droplets of water began as just about the same size. The one on the left was undisturbed and the drop on the right was very lightly touched with the just the tip of a pencil that was dipped into the enzyme/surfactant. Time lapse photographs were then taken.



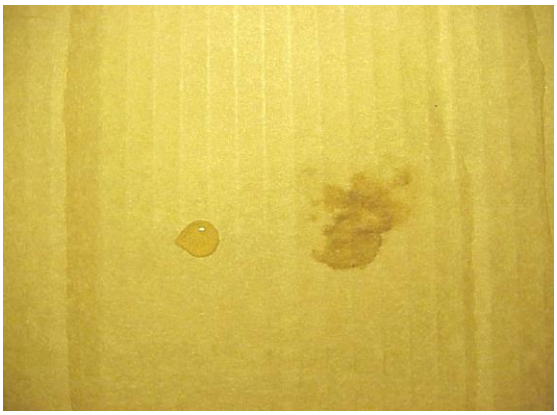
DROPLET BARELY TOUCHED

This picture was taken immediately after the droplet on right was barely touched with the enzyme/surfactant. The droplet immediately lost its surface tension, spread and began wetting and soaking into the cardboard.



AFTER ONE MINUTE

All of the liquid of the droplet has already penetrated.



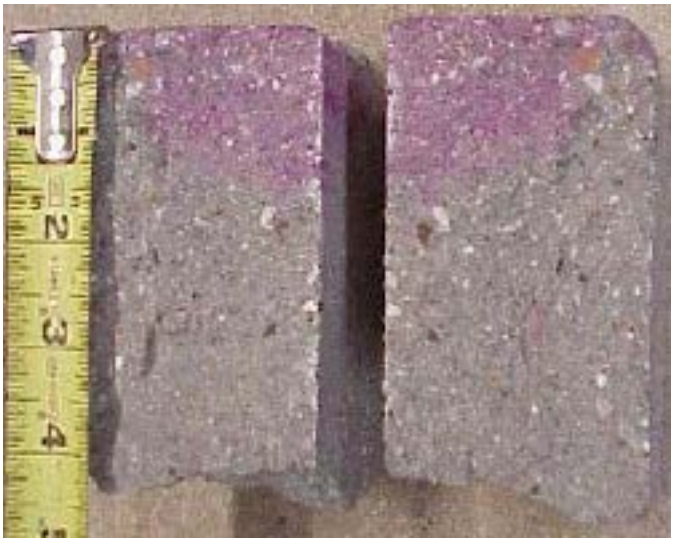
AFTER FIVE MINUTES

At this stage, virtually all of the liquid has been deeply absorbed. Note that the droplet on the left was still intact; and remained that way until it evaporated away. This is typical of the other so-called 'deep penetrating' sealers. They simply do not have the ability to penetrate into the concrete.

If the water vehicle of the material is not thin enough to penetrate into the substrate, there is no way the active ingredients of a sealer will get there either. The silicate constituent needs to access as much available calcium hydroxide (latent in all concrete - new or old) as possible so it can react and form calcium silicate hydrate. This chemical reaction is what permanently seals the concrete and strengthens it at the same time. Conseal penetrates quickly and deeply to effect a positive, permanent seal within the concrete. The others - well, they just don't measure up.

CONSEAL 1000

Penetrating Permanent Concrete Sealer
(with fluorescent dye added)



Picture shows the penetration depth of the Conseal 1000 into a very dense concrete brick.

Conseal 1000 was applied to the brick; which was then broken in half.

**Note the pink specs at the 3” depth;
even some faintly evident below that.**